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OM nucleic - nucleic search, using sw model

Run on:    September 28, 2005, 10:15:44 ; Search time 237.217 Seconds
                                          (without alignments)
                                          9422.396 Million cell updates/sec

Title:         US-09-944-896-49_COPY_123_1488
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Scoring table: IDENTITY_NUC
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Searched:      1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters:     2405568

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 1500 summaries

Database :     Issued Patents NA:*
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        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed,
        and is derived by analysis of the total score distribution.

                              SUMMARIES
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2	1366	100.0	1876	4	US-09-944-457-49	Sequence 49, Appl
3	672.8	49.3	690	3	US-09-404-879A-321	Sequence 321, App
4	672.8	49.3	690	4	US-09-667-857-321	Sequence 321, App
5	55.2	4.0	2179	4	US-09-774-528-356	Sequence 356, App
6	55.2	4.0	4448	4	US-09-919-039-22	Sequence 22, Appl
7	48.4	3.5	6763	4	US-09-949-016-3399	Sequence 3399, Ap
8	48.4	3.5	13857	4	US-09-620-112D-75	Sequence 75, Appl
9	48.4	3.5	34534	4	US-09-949-016-15141	Sequence 15141, A
10	47.8	3.5	582	3	US-09-433-248A-3	Sequence 3, Appli
11	45	3.3	45	4	US-09-866-028-53	Sequence 53, Appl
12	45	3.3	45	4	US-09-944-457-53	Sequence 53, Appl
13	44.6	3.3	17938	4	US-09-902-540-1111	Sequence 1111, Ap
14	43.6	3.2	1026	4	US-09-902-540-9683	Sequence 9683, Ap
15	43.6	3.2	13637	4	US-09-902-540-1097	Sequence 1097, Ap
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18	42.6	3.1	3259	5	PCT-US95-03747-1	Sequence 1, Appli
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21	40.8	3.0	4052	4	US-08-624-447-11	Sequence 11, Appl
22	40.8	3.0	4724	1	US-08-404-665-3	Sequence 3, Appli
23	40.8	3.0	4724	1	US-08-404-781-3	Sequence 3, Appli
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c 25	40.2	2.9	3270	4	US-09-902-540-7024	Sequence 7024, Ap
26	40.2	2.9	4018	4	US-09-902-540-620	Sequence 620, App
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33		39.2	2.9	18324	US-09-902-540-1196	4	Sequence 1196, Ap
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229		35.2	2.6	3546	4	US-09-547-422-14	Sequence 14, Appl
230		35.2	2.6	3546	4	US-07-951-715A-14	Sequence 14, Appl
231		35.2	2.6	3546	3	US-08-459-448A-14	Sequence 14, Appl
232		35.2	2.6	3546	3	US-08-459-595A-14	Sequence 14, Appl
233		35.2	2.6	3546	3	US-08-459-504B-14	Sequence 14, Appl
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235		35.2	2.6	3546	1	US-07-951-715A-14	Sequence 14, Appl
236	c	35.2	2.6	8590	4	US-09-988-462-14	Sequence 889, App
237		35.2	2.6	8854	3	US-09-053-549-1	Sequence 889, App
238	c	35.2	2.6	9497	4	US-09-902-540-1054	Sequence 1054, Ap
239		35	2.6	85850	4	US-09-949-016-13424	Sequence 13424, A
240		35	2.6	451	3	US-09-370-838-146	Sequence 146, App
241		35	2.6	451	4	US-09-854-133-146	Sequence 146, App
242		35	2.6	546	4	US-09-902-540-5394	Sequence 5394, Ap
243		35	2.6	684	4	US-09-902-540-5588	Sequence 5588, Ap
244		35	2.6	742	4	US-09-451-739H-3	Sequence 3, Appli
245		35	2.6	857	4	US-09-451-739H-4	Sequence 4, Appli
246		35	2.6	1419	4	US-09-902-540-8757	Sequence 8757, Ap

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248		35	2.6	1533	US-09-451-739H-1	4	Sequence 1, Appli
249		35	2.6	1839	US-09-252-991A-2563	4	Sequence 2563, Ap
250		35	2.6	2508	US-09-758-282B-48	4	Sequence 48, Appl
251		35	2.6	2508	US-09-577-304A-48	4	Sequence 48, Appl
252	c	35	2.6	2907	US-09-252-991A-2354	4	Sequence 2354, Ap
253		35	2.6	7704	US-09-902-540-743	4	Sequence 743, App
254		35	2.6	9472	US-09-902-540-851	4	Sequence 851, App
255	c	35	2.6	9556	US-09-902-540-929	4	Sequence 929, App
256	c	35	2.6	34552	US-09-902-540-1262	4	Sequence 1262, Ap
257		35	2.6	41927	US-09-902-540-1268	4	Sequence 1268, Ap
258	c	35	2.5	537	US-09-902-540-9685	4	Sequence 9685, Ap
259		34.8	2.5	563	US-09-640-211A-230	4	Sequence 230, App
260		34.8	2.5	618	US-09-252-991A-10379	4	Sequence 10379, A
261	c	34.8	2.5	942	US-09-252-991A-10592	4	Sequence 10592, A
262	c	34.8	2.5	1110	US-09-902-540-2360	4	Sequence 2360, Ap
263		34.8	2.5	1269	US-09-252-991A-9441	4	Sequence 9441, Ap
264		34.8	2.5	1287	US-09-252-991A-10262	4	Sequence 10262, A
265	c	34.8	2.5	1630	US-09-949-016-2912	4	Sequence 2912, Ap
266	c	34.8	2.5	1853	US-09-949-016-2214	4	Sequence 2214, Ap
267	c	34.8	2.5	1890	US-09-252-991A-9392	4	Sequence 9392, Ap
268		34.8	2.5	2154	US-09-902-540-4557	4	Sequence 4557, Ap
269	c	34.8	2.5	3261	US-09-252-991A-8480	4	Sequence 8480, Ap
270	c	34.8	2.5	3345	US-09-252-991A-8394	4	Sequence 8394, Ap
271		34.8	2.5	3379	US-09-220-132-12	4	Sequence 12, Appl
272		34.6	2.5	3678	US-09-252-991A-8447	4	Sequence 8447, Ap
273		34.6	2.5	3722	US-09-016-434-1129	4	Sequence 1129, Ap
274		34.6	2.5	15447	US-09-902-540-1100	4	Sequence 1100, Ap
275		34.6	2.5	24905	US-09-902-540-1225	4	Sequence 1225, Ap
276		34.6	2.5	29771	US-09-949-016-12754	4	Sequence 12754, A
277		34.6	2.5	29771	US-09-949-016-13956	4	Sequence 13956, A
278		34.6	2.5	57320	US-09-949-016-13983	4	Sequence 13983, A
279		34.6	2.5	306	US-09-147-935A-40	3	Sequence 40, Appl
280	c	34.6	2.5	471	US-09-252-991A-263	4	Sequence 263, App
281		34.6	2.5	621	US-08-381-881-5	2	Sequence 5, Appli
282		34.6	2.5	621	US-09-281-221-5	3	Sequence 5, Appli
283		34.6	2.5	743	US-09-570-214B-6	4	Sequence 6, Appli
284		34.6	2.5	771	US-09-902-540-3468	4	Sequence 3468, Ap
285		34.6	2.5	813	US-09-252-991A-273	4	Sequence 273, App
286		34.6	2.5	837	US-09-252-991A-288	4	Sequence 288, App
287		34.6	2.5	1017	US-09-902-540-249	4	Sequence 249, App
288		34.6	2.5	1229	US-09-252-991A-8119	4	Sequence 8119, Ap
289		34.6	2.5	1392	US-09-252-991A-8186	4	Sequence 8186, Ap
290		34.6	2.5	1415	US-09-902-540-5962	4	Sequence 5962, Ap
291		34.6	2.5	1467	US-09-252-991A-8763	4	Sequence 8763, Ap
292		34.6	2.5	1495	US-09-902-540-203	4	Sequence 203, App
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294		34.6	2.5	1680	US-09-252-991A-8121	4	Sequence 8121, Ap
295		34.6	2.5	2089	US-09-949-016-5230	4	Sequence 5230, Ap
296		34.6	2.5	2159	US-08-286-870A-7	3	Sequence 7, Appli
297		34.6	2.5	2190	US-09-015-188-1	4	Sequence 1, Appli
298		34.6	2.5	2676	US-09-252-991A-9024	4	Sequence 9024, Ap
299		34.6	2.5	4449	US-09-799-451-378	4	Sequence 378, App
300		34.6	2.5	16541	US-09-949-016-15547	4	Sequence 15547, A
301		34.6	2.5	24741	US-09-902-540-2821	4	Sequence 2821, Ap
302		34.4	2.5	396	US-09-874-923-23	4	Sequence 23, Appl
303		34.4	2.5	596	US-08-798-841-23	4	Sequence 23, Appl
304		34.4	2.5	601	US-09-949-016-5019	4	Sequence 5019, Ap
305		34.4	2.5	609	US-09-252-991A-5085	4	Sequence 5085, Ap
306		34.4	2.5	797	US-09-949-016-76256	4	Sequence 76256, A
307		34.4	2.5	797	US-09-252-991A-11755	3	Sequence 11755, A
308		34.4	2.5	797	US-09-183-861-23	4	Sequence 23, Appl
309		34.4	2.5	797	US-09-022-765-23	4	Sequence 23, Appl
310		34.4	2.5	797	US-09-551-974A-23	3	Sequence 23, Appl
311		34.4	2.5	797	US-09-565-501A-23	4	Sequence 23, Appl
312		34.4	2.5	825	US-09-639-206A-23	4	Sequence 23, Appl
313		34.4	2.5	960	US-09-252-991A-5019	4	Sequence 5019, Ap
314		34.4	2.5	1056	US-09-252-991A-5085	4	Sequence 5085, Ap
315		34.4	2.5	1086	US-09-252-991A-10766	4	Sequence 10766, A
316		34.4	2.5	1128	US-09-252-991A-11554	4	Sequence 11554, A
317	c	34.4	2.5	1191	US-09-252-991A-1077	4	Sequence 1077, Ap
318	c	34.4	2.5	1200	US-09-252-991A-1025	4	Sequence 1025, Ap
319	c	34.4	2.5	1200	US-09-252-991A-1033	4	Sequence 1033, Ap

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321		34.4	2.5	1554	US-09-902-540-8631	4	Sequence 8631, Ap
322		34.4	2.5	1593	US-09-252-991A-3716	4	Sequence 3716, Ap
323		34.4	2.5	1645	US-09-023-587A-5	4	Sequence 5, Appli
324	c	34.4	2.5	1800	US-09-252-991A-3797	4	Sequence 3797, Ap
325	c	34.4	2.5	1831	US-09-902-540-8907	4	Sequence 8907, Ap
326	c	34.4	2.5	1833	US-09-252-991A-3838	4	Sequence 3838, Ap
327		34.4	2.5	1944	US-09-673-198-29	4	Sequence 29, Appl
328		34.4	2.5	2274	US-09-252-991A-11609	4	Sequence 11609, A
329	c	34.4	2.5	2613	US-09-252-991A-11836	4	Sequence 11836, A
330		34.4	2.5	2618	US-09-857-556A-25	4	Sequence 25, Appl
331		34.4	2.5	3114	US-09-252-991A-977	4	Sequence 977, Appl
332		34.4	2.5	3270	US-09-902-540-4814	4	Sequence 4814, Ap
333	c	34.4	2.5	3372	US-09-949-016-165	4	Sequence 165, App
334		34.4	2.5	4829	US-09-902-540-592	4	Sequence 592, App
335		34.4	2.5	8320	US-09-902-540-913	4	Sequence 913, App
336		34.4	2.5	9091	US-09-902-540-949	4	Sequence 949, App
337	c	34.4	2.5	10505	US-09-902-540-1044	4	Sequence 1044, Ap
338	c	34.4	2.5	14570	US-09-902-540-1012	4	Sequence 1012, Ap
339	c	34.4	2.5	15132	US-09-902-540-1137	4	Sequence 1137, Ap
340	c	34.4	2.5	29103	US-09-902-540-1236	4	Sequence 1236, Ap
341	c	34.4	2.5	41755	US-09-949-016-15728	4	Sequence 15728, A
342		34.2	2.5	279	US-09-252-991A-7634	4	Sequence 7634, Ap
343		34.2	2.5	364	US-09-621-976-17202	4	Sequence 17202, A
344	c	34.2	2.5	702	US-09-252-991A-6791	4	Sequence 6791, Ap
345		34.2	2.5	729	US-09-140-804-10	3	Sequence 10, Appl
346		34.2	2.5	729	US-09-686-838B-10	4	Sequence 10, Appl
347	c	34.2	2.5	765	US-09-252-991A-6948	4	Sequence 6948, Ap
348		34.2	2.5	1011	US-09-252-991A-7564	3	Sequence 7564, Ap
349		34.2	2.5	1119	US-08-987-943-2	2	Sequence 2, Appli
350		34.2	2.5	1155	US-08-387-942C-7	2	Sequence 7, Appli
351		34.2	2.5	1272	US-09-252-991A-7776	3	Sequence 7776, Ap
352	c	34.2	2.5	1446	US-09-252-991A-6746	1	Sequence 6746, Ap
353		34.2	2.5	1755	US-08-987-943-1	2	Sequence 1, Appli
354	c	34.2	2.5	1755	US-09-902-540-3039	4	Sequence 3039, Ap
355	c	34.2	2.5	2194	US-09-023-655-668	1	Sequence 668, App
356		34.2	2.5	2576	US-08-471-033-35	2	Sequence 35, Appl
357		34.2	2.5	2576	US-08-471-044-35	2	Sequence 35, Appl
358		34.2	2.5	2576	US-08-463-483A-35	2	Sequence 35, Appl
359		34.2	2.5	2576	US-08-471-046A-35	2	Sequence 35, Appl
360		34.2	2.5	2576	US-08-470-566B-35	2	Sequence 35, Appl
361		34.2	2.5	2576	US-08-469-334-35	3	Sequence 35, Appl
362		34.2	2.5	2576	US-09-300-529-35	1	Sequence 35, Appl
363		34.2	2.5	2655	US-08-471-033-17	2	Sequence 17, Appl
364		34.2	2.5	2655	US-08-471-033-26	2	Sequence 26, Appl
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370		34.2	2.5	2655	US-08-471-046A-26	2	Sequence 26, Appl
371		34.2	2.5	2655	US-08-470-566B-17	2	Sequence 17, Appl
372		34.2	2.5	2655	US-08-470-566B-26	2	Sequence 26, Appl
373		34.2	2.5	2655	US-08-469-334-17	3	Sequence 17, Appl
374		34.2	2.5	2655	US-09-300-529-17	2	Sequence 17, Appl
375		34.2	2.5	2655	US-09-300-529-26	3	Sequence 26, Appl
376		34.2	2.5	4031	US-08-471-033-49	2	Sequence 49, Appl
377		34.2	2.5	4031	US-08-471-044-49	2	Sequence 49, Appl
378		34.2	2.5	4031	US-08-463-483A-49	2	Sequence 49, Appl
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381		34.2	2.5	4031	US-08-469-334-49	2	Sequence 49, Appl
382		34.2	2.5	4031	US-09-300-529-49	3	Sequence 49, Appl
383		34.2	2.5	4031	US-08-469-334-49	3	Sequence 49, Appl
384	c	34.2	2.5	5105	US-09-902-540-791	4	Sequence 791, App
385	c	34.2	2.5	10434	US-09-949-016-12258	4	Sequence 12258, A
386	c	34.2	2.5	10435	US-09-949-016-14654	4	Sequence 14654, A
387		34.2	2.5	44377	US-08-804-227C-7	2	Sequence 7, Appli
388		34.2	2.5	44377	US-08-804-198-1	2	Sequence 1, Appli
389		34	2.5	364	US-09-621-976-17202	4	Sequence 17202, A
390		34	2.5	399	US-09-621-976-8976	4	Sequence 8976, Ap
391		34	2.5	601	US-09-949-016-36596	4	Sequence 36596, A
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393		34	2.5	641	4	US-10-101-464A-290	Sequence 290, App
394		34	2.5	1101	4	US-09-252-991A-9455	Sequence 9455, Ap
395		34	2.5	1203	3	US-09-086-010-1	Sequence 1, Appli
396		34	2.5	1455	4	US-09-620-312D-885	Sequence 885, App
397		34	2.5	1551	4	US-09-902-540-6712	Sequence 6712, Ap
398		34	2.5	1596	4	US-09-252-991A-9478	Sequence 9478, Ap
399	c	34	2.5	1650	4	US-09-252-991A-9352	Sequence 9352, Ap
400		34	2.5	2055	3	US-08-872-855-3	Sequence 3, Appli
401		34	2.5	2055	4	US-09-641-612-10	Sequence 10, Appl
402		34	2.5	2592	4	US-09-902-540-3407	Sequence 3407, Ap
403		34	2.5	2765	4	US-09-949-016-3992	Sequence 3992, Ap
404		34	2.5	2800	3	US-08-872-855-1	Sequence 1, Appli
405		34	2.5	2862	4	US-09-252-991A-443	Sequence 443, App
406		34	2.5	3156	4	US-09-252-991A-418	Sequence 418, App
407		34	2.5	3339	4	US-10-101-464A-868	Sequence 868, App
408		34	2.5	3352	4	US-09-266-965-19	Sequence 19, Appl
409	c	34	2.5	3978	4	US-09-902-540-535	Sequence 535, App
410	c	34	2.5	4019	4	US-09-266-965-74	Sequence 74, Appl
411		34	2.5	12249	4	US-09-949-016-12145	Sequence 12145, A
412		34	2.5	17593	4	US-09-949-016-15734	Sequence 15734, A
413		34	2.5	17593	4	US-09-902-540-1161	Sequence 1161, Ap
414	c	34	2.5	17654	4	US-09-266-965-96	Sequence 96, Appl
415		34	2.5	18331	4	US-09-949-016-15761	Sequence 15761, A
416		34	2.5	37710	4	US-09-949-016-12692	Sequence 12692, A
417		34	2.5	37712	4	US-09-640-211A-1421	Sequence 1421, Ap
418	c	33.8	2.5	378	4	US-09-902-540-5206	Sequence 5206, Ap
419		33.8	2.5	951	4	US-09-902-540-5622	Sequence 5622, Ap
420	c	33.8	2.5	1113	4	US-09-724-797-39	Sequence 39, Appl
421		33.8	2.5	1137	4	US-09-311-021-149	Sequence 149, App
422		33.8	2.5	1172	4	US-09-902-540-9662	Sequence 9662, Ap
423		33.8	2.5	1332	4	US-09-902-540-9461	Sequence 9461, Ap
424	c	33.8	2.5	2007	4	US-09-902-540-5705	Sequence 5705, Ap
425		33.8	2.5	2730	4	US-09-902-540-3802	Sequence 3802, Ap
426		33.8	2.5	3123	1	US-07-951-715A-6	Sequence 6, Appli
427		33.8	2.5	3624	2	US-08-459-448A-6	Sequence 6, Appli
428		33.8	2.5	3624	3	US-08-459-595A-6	Sequence 6, Appli
429		33.8	2.5	3624	3	US-08-459-504B-6	Sequence 6, Appli
430		33.8	2.5	3624	3	US-09-053-444-6	Sequence 6, Appli
431		33.8	2.5	3624	3	US-09-547-422-6	Sequence 7, Appli
432		33.8	2.5	3624	4	US-09-988-462-6	Sequence 6, Appli
433		33.8	2.5	3780	4	US-09-902-540-9287	Sequence 9287, Ap
434		33.8	2.5	4494	4	US-09-902-540-7532	Sequence 7532, Ap
435		33.8	2.5	6988	4	US-09-902-540-733	Sequence 733, App
436		33.8	2.5	9567	4	US-09-902-540-1002	Sequence 1002, Ap
437		33.8	2.5	9873	4	US-09-902-540-992	Sequence 992, App
438		33.8	2.5	11854	4	US-09-902-540-1037	Sequence 1037, Ap
439		33.8	2.5	14555	4	US-09-902-540-1096	Sequence 1096, Ap
440		33.8	2.5	15095	4	US-09-902-540-1077	Sequence 1077, Ap
441		33.8	2.5	15923	4	US-09-902-540-1095	Sequence 1095, Ap
442		33.6	2.5	46902	4	US-09-949-016-13844	Sequence 13844, A
443		33.6	2.5	50725	4	US-09-902-540-1271	Sequence 1271, Ap
444		33.6	2.5	119981	4	US-09-621-976-1779	Sequence 1779, Ap
445		33.6	2.5	119981	4	US-09-252-991A-5078	Sequence 5078, Ap
446	c	33.6	2.5	119982	4	US-09-252-991A-4596	Sequence 4596, Ap
447	c	33.6	2.5	119982	4	US-09-949-016-11844	Sequence 11844, A
448	c	33.6	2.5	136917	4	US-09-949-016-13606	Sequence 13606, A
449		33.6	2.5	214	4	US-09-949-016-16369	Sequence 16369, A
450	c	33.6	2.5	477	4	US-09-023-655-1231	Sequence 1231, Ap
451	c	33.6	2.5	663	4	US-09-252-991A-5139	Sequence 5139, Ap
452	c	33.6	2.5	762	4	US-09-252-991A-11338	Sequence 11338, A
453	c	33.6	2.5	804	4	US-09-252-991A-11955	Sequence 11955, A
454	c	33.6	2.5	894	4	US-09-252-991A-12057	Sequence 12057, A
455	c	33.6	2.5	909	4	US-09-252-991A-11357	Sequence 11357, A
456	c	33.6	2.5	1023	4	US-09-252-991A-11917	Sequence 11917, A
457	c	33.6	2.5	1335	4	US-09-902-540-9034	Sequence 9034, Ap
458	c	33.6	2.5	1680	1	US-08-774-169-2	Sequence 2, Appli
459	c	33.6	2.5	1716	4	US-09-252-991A-5014	Sequence 5014, Ap
460	c	33.6	2.5	1843	4	US-09-902-540-3708	Sequence 3708, Ap
461	c	33.6	2.5	1860	4	US-09-252-991A-11998	Sequence 11998, A
462	c	33.6	2.5	2253	4	US-09-949-016-740	Sequence 740, App
463	c	33.6	2.5	2385	4	US-09-949-016-740	
464	c	33.6	2.5	3238	4		
465	c	33.6	2.5		4		

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466	c	33.6	2.5	4230	4	US-09-252-991A-5711	Sequence 5711, Ap
467		33.6	2.5	4941	4	US-09-252-991A-5741	Sequence 5741, Ap
468	c	33.6	2.5	6049	4	US-08-793-273C-3	Sequence 3, Appli
469		33.6	2.5	6049	5	PCT-US95-11684-3	Sequence 3, Appli
470	c	33.6	2.5	9198	4	US-09-902-540-966	Sequence 966, App
471		33.6	2.5	13234	4	US-09-902-540-986	Sequence 986, App
472	c	33.6	2.5	18031	4	US-09-902-540-1180	Sequence 1180, A
473		33.6	2.5	19503	4	US-09-949-016-16528	Sequence 16528, A
474		33.6	2.5	27707	4	US-09-902-540-1226	Sequence 1226, Ap
475	c	33.6	2.5	134890	4	US-09-949-016-15602	Sequence 15602, A
476	c	33.4	2.5	444	4	US-09-252-991A-1153	Sequence 1153, Ap
477		33.4	2.4	567	4	US-09-252-991A-12435	Sequence 12435, A
478		33.4	2.4	601	4	US-09-949-016-40556	Sequence 40556, A
479		33.4	2.4	601	4	US-09-949-016-40557	Sequence 40557, A
480		33.4	2.4	601	4	US-09-949-016-194473	Sequence 194473,
481		33.4	2.4	840	4	US-09-949-016-194474	Sequence 194474,
482		33.4	2.4	852	4	US-09-902-540-8736	Sequence 8736, Ap
483		33.4	2.4	852	4	US-09-893-737-151	Sequence 151, App
484		33.4	2.4	936	4	US-09-893-737-297	Sequence 297, App
485	c	33.4	2.4	948	4	US-09-902-540-3745	Sequence 3745, Ap
486	c	33.4	2.4	975	4	US-09-949-016-7072	Sequence 7072, Ap
487		33.4	2.4	987	4	US-09-252-991A-1605	Sequence 1605, Ap
488	c	33.4	2.4	1056	4	US-09-498-520A-19	Sequence 19, Appl
489	c	33.4	2.4	1089	4	US-09-252-991A-1419	Sequence 1419, Ap
490		33.4	2.4	1116	4	US-09-252-991A-1313	Sequence 1313, Ap
491	c	33.4	2.4	1263	4	US-09-252-991A-13222	Sequence 13222, A
492		33.4	2.4	1329	4	US-09-724-797-94	Sequence 94, Appl
493		33.4	2.4	1488	4	US-09-252-991A-6983	Sequence 6983, Ap
494		33.4	2.4	1551	4	US-09-252-991A-14879	Sequence 14879, A
495		33.4	2.4	1593	4	US-09-252-991A-15136	Sequence 15136, A
496	c	33.4	2.4	1659	3	US-09-252-991A-1519	Sequence 1519, Ap
497		33.4	2.4	1659	3	US-09-083-351-3	Sequence 3, Appli
498		33.4	2.4	1662	3	US-09-083-152-3	Sequence 3, Appli
499		33.4	2.4	1761	4	US-09-612-809B-3	Sequence 3, Appli
500		33.4	2.4	1969	4	US-09-902-540-3727	Sequence 3727, Ap
501		33.4	2.4	1969	1	US-07-737-851-3	Sequence 3, Appli
502		33.4	2.4	1969	1	US-07-894-062-3	Sequence 3, Appli
503		33.4	2.4	2406	3	US-09-096-562-3	Sequence 3, Appli
504		33.4	2.4	2508	4	US-09-252-991A-1657	Sequence 1657, Ap
505		33.4	2.4	2508	4	US-09-758-282B-242	Sequence 242, App
506		33.4	2.4	2669	4	US-09-577-304A-242	Sequence 242, App
507		33.4	2.4	2742	4	US-09-799-451-545	Sequence 545, App
508		33.4	2.4	2910	4	US-09-252-991A-5556	Sequence 5556, Ap
509		33.4	2.4	3186	4	US-09-252-991A-7009	Sequence 7009, Ap
510	c	33.4	2.4	3321	4	US-09-252-991A-7120	Sequence 7120, Ap
511	c	33.4	2.4	3946	4	US-09-252-991A-5668	Sequence 5668, Ap
512		33.4	2.4	3946	3	US-09-083-351-1	Sequence 1, Appli
513		33.4	2.4	3981	3	US-09-083-352-1	Sequence 1, Appli
514		33.4	2.4	4168	4	US-09-252-991A-1361	Sequence 1361, Ap
515	c	33.4	2.4	4179	4	US-09-266-225D-17	Sequence 17, Appl
516	c	33.4	2.4	4279	4	US-09-252-991A-1244	Sequence 1244, Ap
517		33.4	2.4	4771	3	US-09-041-886-22	Sequence 22, Appl
518	c	33.4	2.4	6037	4	US-08-840-062-3	Sequence 3, Appli
519	c	33.4	2.4	8532	4	US-09-902-540-631	Sequence 631, App
520		33.4	2.4	9997	4	US-09-902-540-927	Sequence 927, App
521		33.4	2.4	9997	1	US-08-246-982A-15	Sequence 15, Appl
522		33.4	2.4	17897	4	US-08-453-265-15	Sequence 15, Appl
523	c	33.4	2.4	19112	4	US-09-902-540-1182	Sequence 1182, Ap
524	c	33.2	2.4	24459	4	US-09-902-540-1181	Sequence 1181, Ap
525	c	33.2	2.4	32241	4	US-09-902-540-5004	Sequence 5004, Ap
526	c	33.2	2.4	36800	4	US-09-902-540-1247	Sequence 1247, Ap
527	c	33.2	2.4	49559	4	US-08-311-731A-139	Sequence 139, App
528	c	33.2	2.4	49559	4	US-09-902-540-12892	Sequence 12892, A
529	c	33.2	2.4	49559	4	US-09-949-016-17267	Sequence 17267, A
530	c	33.2	2.4	74644	4	US-09-949-016-17556	Sequence 17556, A
531		33.2	2.4	133063	4	US-09-949-016-16293	Sequence 16293, A
532		33.2	2.4	601	4	US-09-949-016-167451	Sequence 167451,
533		33.2	2.4	990	4	US-09-902-540-7222	Sequence 7222, Ap
534		33.2	2.4	1194	4	US-09-902-540-8211	Sequence 8211, Ap
535	c	33.2	2.4	1230	4	US-09-902-540-2623	Sequence 2623, Ap
536	c	33.2	2.4	1368	4	US-09-902-540-9337	Sequence 9337, Ap
537	c	33.2	2.4	1455	4	US-09-252-991A-7678	Sequence 7678, A
538	c	33.2	2.4	1485	4	US-09-252-991A-7528	Sequence 7528, Ap

Left column

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c	540	33.2	2.4	1853	4	US-09-949-016-1012	Sequence 1012, Ap
c	541	33.2	2.4	2469	4	US-09-489-039A-1538	Sequence 1538, Ap
	542	33.2	2.4	3231	1	US-08-195-152-1	Sequence 1, Appli
	543	33.2	2.4	3231	4	US-08-754-311B-1	Sequence 1, Appli
	544	33.2	2.4	3342	4	US-09-252-991A-7814	Sequence 7814, Ap
	545	33.2	2.4	3358	3	US-09-248-571-2	Sequence 2, Appli
	546	33.2	2.4	3358	4	US-09-553-736-2	Sequence 2, Appli
	547	33.2	2.4	4849	3	US-09-620-312D-39	Sequence 39, App
c	548	33.2	2.4	5418	4	US-09-902-540-675	Sequence 675, App
	549	33.2	2.4	6854	3	US-09-194-905-7	Sequence 7, Appli
	550	33.2	2.4	6854	4	US-09-922-683-7	Sequence 7, Appli
c	551	33.2	2.4	8060	4	US-09-902-540-847	Sequence 847, App
	552	33.2	2.4	10486	4	US-09-949-016-15611	Sequence 15611, A
	553	33.2	2.4	14519	4	US-09-949-016-15612	Sequence 15612, A
c	554	33.2	2.4	14519	4	US-09-902-540-1121	Sequence 1121, Ap
	555	33.2	2.4	15338	4	US-09-949-016-14503	Sequence 14503, A
	556	33.2	2.4	17331	4	US-09-949-016-15609	Sequence 15609, A
	557	33.2	2.4	21920	4	US-09-949-016-12118	Sequence 12118, A
	558	33.2	2.4	24040	4	US-09-949-016-16463	Sequence 16463, A
	559	33.2	2.4	56448	4	US-09-602-565-7	Sequence 7, Appli
	560	33	2.4	509	2	US-09-690-454-17	Sequence 17, Appl
	561	33	2.4	1076	4	US-09-902-540-4538	Sequence 4538, Ap
	562	33	2.4	1161	4	US-09-252-991A-11324	Sequence 11324, A
	563	33	2.4	1245	3	US-09-902-540-7456	Sequence 7456, Ap
	564	33	2.4	1278	4	US-09-602-565-2	Sequence 2, Appli
	565	33	2.4	1390	4	US-09-902-540-214	Sequence 214, App
	566	33	2.4	1517	4	US-09-774-528-115	Sequence 115, App
	567	33	2.4	1673	4	US-09-252-991A-11286	Sequence 11286, A
	568	33	2.4	1740	4	US-09-489-847-17	Sequence 17, Appl
	569	33	2.4	1774	4	US-09-252-991A-11331	Sequence 11331, A
	570	33	2.4	1896	3	US-09-949-016-5060	Sequence 5060, Ap
	571	33	2.4	2274	3	US-09-513-007-1	Sequence 1, Appli
	572	33	2.4	2440	4	US-09-902-540-720	Sequence 720, App
	573	33	2.4	4631	4	US-08-916-917-1	Sequence 1, Appl
	574	33	2.4	4692	2	US-08-972-631-1	Sequence 1, Appli
	575	33	2.4	4692	2	US-08-972-629-1	Sequence 1, Appli
	576	33	2.4	4692	2	US-08-972-630-1	Sequence 1, Appli
	577	33	2.4	4692	2	US-08-672-211-1	Sequence 1, Appli
	578	33	2.4	4692	1	US-09-225-170-1	Sequence 1, Appli
	579	33	2.4	5904	1	US-07-745-206A-6	Sequence 6, Appli
	580	33	2.4	5904	2	US-08-455-543A-3	Sequence 3, Appli
	581	33	2.4	5904	2	US-08-193-078B-3	Sequence 3, Appli
	582	33	2.4	5904	2	US-08-223-105C-3	Sequence 3, Appli
	583	33	2.4	5904	2	US-08-149-097D-3	Sequence 3, Appli
	584	33	2.4	5904	4	US-08-311-363-6	Sequence 6, Appli
	585	33	2.4	6047	4	US-09-902-540-758	Sequence 758, App
	586	33	2.4	6575	3	US-08-949-386-3	Sequence 3, Appli
	587	33	2.4	6575	3	US-08-450-562-3	Sequence 3, Appli
	588	33	2.4	6575	3	US-08-984-709A-3	Sequence 3, Appli
	589	33	2.4	25497	3	US-09-902-540-1224	Sequence 1224, Ap
	590	33	2.4	28509	4	US-09-902-540-1240	Sequence 1240, Ap
	591	33	2.4	34312	4	US-09-949-016-12352	Sequence 12352, A
	592	33	2.4	61399	4	US-09-949-016-12720	Sequence 12720, A
	593	33	2.4	92344	4	US-09-949-016-16802	Sequence 16802, A
	601	32.8	2.4	369	3	US-09-535-521-24	Sequence 24, Appl
	602	32.8	2.4	369	3	US-09-535-521-26	Sequence 26, Appl
	603	32.8	2.4	384	4	US-09-535-521-7	Sequence 7, Appl
	604	32.8	2.4	384	4	US-09-535-521-9	Sequence 9, Appli
	605	32.8	2.4	417	3	US-09-535-521-10	Sequence 10, Appl
	606	32.8	2.4	417	4	US-09-535-521-12	Sequence 12, Appl
	607	32.8	2.4	423	3	US-09-535-521-13	Sequence 13, Appl
	608	32.8	2.4	423	3	US-09-535-521-15	Sequence 15, Appl
	609	32.8	2.4	430	4	US-09-621-976-16656	Sequence 16656, A
	610	32.8	2.4	491	3	US-09-189-060B-17	Sequence 17, Appl
	611	32.8	2.4	495	4	US-09-252-991A-7246	Sequence 7246, Ap

Right column

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c	613	32.8	2.4	561	3	US-09-535-521-18	Sequence 18, Appl
c	614	32.8	2.4	601	4	US-09-949-016-206495	Sequence 206495,
	615	32.8	2.4	624	3	US-09-535-521-19	Sequence 19, Appl
c	616	32.8	2.4	624	3	US-09-535-521-21	Sequence 21, Appl
	617	32.8	2.4	663	4	US-09-902-540-3631	Sequence 3631, Ap
c	618	32.8	2.4	693	4	US-09-252-991A-7308	Sequence 7308, Ap
	619	32.8	2.4	876	3	US-09-535-521-4	Sequence 4, Appli
c	620	32.8	2.4	876	3	US-09-535-521-6	Sequence 6, Appli
	621	32.8	2.4	897	3	US-09-434-354-3	Sequence 3, Appli
	622	32.8	2.4	897	4	US-09-709-785-3	Sequence 3, Appli
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c	624	32.8	2.4	987	4	US-09-252-991A-5398	Sequence 5398, Ap
c	625	32.8	2.4	1008	4	US-09-902-540-7103	Sequence 7103, Ap
	626	32.8	2.4	1029	4	US-09-902-540-6857	Sequence 6857, Ap
	627	32.8	2.4	1041	4	US-09-902-540-4179	Sequence 4179, Ap
	628	32.8	2.4	1080	4	US-09-831-228-1	Sequence 1, Appli
c	629	32.8	2.4	1143	4	US-09-252-991A-5748	Sequence 5748, Ap
c	630	32.8	2.4	1164	4	US-09-252-991A-5391	Sequence 5391, Ap
	631	32.8	2.4	1194	4	US-09-252-991A-7454	Sequence 7454, Ap
	632	32.8	2.4	1209	4	US-09-826-509-556	Sequence 556, Ap
	633	32.8	2.4	1212	4	US-09-620-312D-687	Sequence 687, App
c	634	32.8	2.4	1242	4	US-09-252-991A-9668	Sequence 9668, Ap
c	635	32.8	2.4	1263	4	US-09-252-991A-7050	Sequence 7050, Ap
	636	32.8	2.4	1376	4	US-09-016-434-1361	Sequence 1361, Ap
	637	32.8	2.4	1380	4	US-09-902-540-3259	Sequence 3259, Ap
	638	32.8	2.4	1394	2	US-08-068-729-3	Sequence 3, Appli
	639	32.8	2.4	1394	3	US-09-255-671-3	Sequence 3, Appli
	640	32.8	2.4	1394	3	US-09-395-366-3	Sequence 3, Appli
	641	32.8	2.4	1410	4	US-09-252-991A-1239	Sequence 1239, Ap
c	642	32.8	2.4	1431	4	US-09-252-991A-1316	Sequence 1316, Ap
	643	32.8	2.4	1434	4	US-09-902-540-8720	Sequence 8720, Ap
	644	32.8	2.4	1464	3	US-09-724-224-7	Sequence 7, Appli
	645	32.8	2.4	1464	3	US-10-093-317-7	Sequence 7, Appli
	646	32.8	2.4	1538	4	US-09-724-224-3	Sequence 3, Appli
	647	32.8	2.4	1538	4	US-10-093-317-3	Sequence 3, Appli
c	648	32.8	2.4	1608	4	US-09-252-991A-9091	Sequence 9091, Ap
	649	32.8	2.4	1683	4	US-09-252-991A-5403	Sequence 5403, Ap
c	650	32.8	2.4	1710	4	US-09-949-016-9011	Sequence 9011, Ap
	651	32.8	2.4	1800	4	US-09-252-991A-3891	Sequence 3891, Ap
c	652	32.8	2.4	1824	4	US-09-252-991A-4025	Sequence 4025, Ap
	653	32.8	2.4	1875	4	US-09-252-991A-3919	Sequence 3919, Ap
c	654	32.8	2.4	1904	4	US-09-949-016-1334	Sequence 1334, Ap
c	655	32.8	2.4	1920	4	US-09-252-991A-8999	Sequence 8999, Ap
	656	32.8	2.4	1965	4	US-09-902-540-7293	Sequence 7293, Ap
	657	32.8	2.4	2078	2	US-08-785-310A-1	Sequence 1, Appli
	658	32.8	2.4	2097	4	US-09-595-684B-34	Sequence 34, Appl
	659	32.8	2.4	2099	4	US-09-949-016-2913	Sequence 2913, Ap
c	660	32.8	2.4	2511	4	US-09-252-991A-9494	Sequence 9494, Ap
	661	32.8	2.4	2583	4	US-09-252-991A-9541	Sequence 9541, Ap
	662	32.8	2.4	2712	4	US-09-252-991A-1366	Sequence 1366, Ap
	663	32.8	2.4	2817	4	US-09-252-991A-7311	Sequence 7311, Ap
c	664	32.8	2.4	2851	3	US-09-535-521-1	Sequence 1, Appli
	665	32.8	2.4	2851	3	US-09-535-521-3	Sequence 3, Appli
c	666	32.8	2.4	2862	4	US-09-902-540-7749	Sequence 7749, Ap
c	667	32.8	2.4	2880	4	US-09-252-991A-7187	Sequence 7187, Ap
c	668	32.8	2.4	3099	4	US-09-902-540-5065	Sequence 5065, Ap
	669	32.8	2.4	3447	4	US-09-949-016-1944	Sequence 1944, Ap
	670	32.8	2.4	3592	1	US-09-469-537A-100	Sequence 100, App
	671	32.8	2.4	3957	4	US-07-689-008-5	Sequence 5, Appli
c	672	32.8	2.4	4139	4	US-09-620-312D-349	Sequence 349, App
c	673	32.8	2.4	4148	4	US-09-902-540-578	Sequence 578, App
	674	32.8	2.4	4808	4	US-09-902-540-689	Sequence 689, App
c	675	32.8	2.4	5276	4	US-09-233-857-2	Sequence 2, Appli
	676	32.8	2.4	6567	4	US-09-902-540-769	Sequence 769, App
	677	32.8	2.4	7295	4	US-09-902-540-924	Sequence 924, App
	678	32.8	2.4	9540	1	US-07-689-008-1	Sequence 1, Appli
	679	32.8	2.4	10023	4	US-09-252-991A-6997	Sequence 6997, Ap
c	680	32.8	2.4	12250	4	US-09-949-016-17580	Sequence 17580, A
c	681	32.8	2.4	18848	4	US-09-902-540-1174	Sequence 1174, Ap
	682	32.8	2.4	19954	4	US-09-902-540-1150	Sequence 1150, Ap
	683	32.8	2.4	22301	4	US-09-902-540-1208	Sequence 1208, Ap
	684	32.8	2.4	28054	4	US-09-902-540-1248	Sequence 1248, Ap

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685		32.8	2.4	28194	4	US-09-902-540-1250	Sequence 1250, Appl
686	c	32.8	2.4	53500	4	US-09-266-965-76	Sequence 76, Appl
687		32.8	2.4	106450	4	US-09-949-016-13873	Sequence 13873, A
688		32.8	2.4	153450	4	US-09-949-016-12174	Sequence 12174, A
689		32.8	2.4	153643	4	US-09-949-016-15635	Sequence 15635, A
690	c	32.6	2.4	435	4	US-09-252-991A-9379	Sequence 9379, Ap
691	c	32.6	2.4	439	4	US-09-621-976-14143	Sequence 14143, A
692		32.6	2.4	601	4	US-09-949-016-121668	Sequence 121668,
693		32.6	2.4	601	4	US-09-949-016-137725	Sequence 137725,
694		32.6	2.4	615	4	US-09-489-039A-6321	Sequence 6321, Ap
695		32.6	2.4	657	4	US-09-252-991A-6701	Sequence 6701, Ap
696		32.6	2.4	671	4	US-09-952-060-9	Sequence 9, Appli
697		32.6	2.4	671	4	US-09-952-060-13	Sequence 13, Appl
698		32.6	2.4	719	4	US-09-952-060-11	Sequence 11, Appl
699		32.6	2.4	720	4	US-09-952-060-15	Sequence 15, Appl
700		32.6	2.4	860	4	US-09-270-767-11964	Sequence 11964, A
701		32.6	2.4	1083	4	US-09-252-991A-9481	Sequence 9481, Ap
702		32.6	2.4	1092	4	US-09-252-991A-6628	Sequence 6628, Ap
703		32.6	2.4	1095	4	US-09-252-991A-6626	Sequence 6626, Ap
704		32.6	2.4	1296	4	US-09-252-991A-2364	Sequence 2364, Ap
705		32.6	2.4	1332	1	US-08-660-765A-3	Sequence 3, Appli
706	c	32.6	2.4	1344	4	US-09-252-991A-5239	Sequence 5239, Ap
707		32.6	2.4	1521	4	US-09-252-991A-2550	Sequence 2550, Ap
708	c	32.6	2.4	1554	4	US-09-252-991A-9350	Sequence 9350, Ap
709		32.6	2.4	1716	4	US-09-270-767-11940	Sequence 11940, A
710		32.6	2.4	1734	4	US-09-902-540-3416	Sequence 3416, Ap
711		32.6	2.4	1794	4	US-09-252-991A-5181	Sequence 5181, Ap
712		32.6	2.4	1821	4	US-09-266-965-82	Sequence 82, Appl
713		32.6	2.4	1854	4	US-09-902-540-7083	Sequence 7083, Ap
714		32.6	2.4	2082	4	US-09-818-780-67	Sequence 67, Appl
715	c	32.6	2.4	2296	4	US-09-949-016-3829	Sequence 3829, Ap
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717		32.6	2.4	2525	4	US-09-902-540-441	Sequence 441, Appl
718	c	32.6	2.4	2547	4	US-09-252-991A-5294	Sequence 5294, Ap
719		32.6	2.4	2673	4	US-09-902-540-4830	Sequence 4830, Ap
720		32.6	2.4	2775	4	US-09-902-540-6637	Sequence 6637, Ap
721		32.6	2.4	2903	4	US-09-799-451-871	Sequence 871, Appl
722	c	32.6	2.4	3084	4	US-09-252-991A-6639	Sequence 6639, Ap
723		32.6	2.4	3135	4	US-09-252-991A-2282	Sequence 2282, Ap
724		32.6	2.4	3186	1	US-08-761-258-8	Sequence 8, Appli
725		32.6	2.4	3186	2	US-08-977-306-8	Sequence 8, Appli
726	c	32.6	2.4	3273	4	US-09-252-991A-6578	Sequence 6578, Ap
727	c	32.6	2.4	3388	4	US-09-620-312D-369	Sequence 369, App
728	c	32.6	2.4	3603	4	US-09-902-540-3266	Sequence 3266, Ap
729		32.6	2.4	3810	4	US-09-252-991A-6579	Sequence 6579, Ap
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734		32.6	2.4	19954	4	US-09-902-540-1150	Sequence 1150, Ap
735		32.6	2.4	26667	4	US-09-902-540-1237	Sequence 1237, Ap
736	c	32.6	2.4	26659	4	US-09-949-016-12926	Sequence 12926, A
737		32.6	2.4	31111	4	US-09-949-016-15628	Sequence 15628, A
738		32.4	2.4	36620	4	US-09-952-060-30	Sequence 30, Appl
739		32.4	2.4	49377	1	US-09-252-991A-1007	Sequence 1, Appli
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742		32.4	2.4	152393	4	US-09-621-976-5734	Sequence 5734, Ap
743		32.4	2.4	156894	4	US-09-949-016-14514	Sequence 14514, A
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746		32.4	2.4	156895	4	US-09-949-016-16957	Sequence 16957, A
747		32.4	2.4	156895	4	US-09-949-016-16958	Sequence 16958, A
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756	c	32.4	2.4	601	4	US-09-949-016-68668	Sequence 68668, A
757	c	32.4	2.4	601	4	US-09-949-016-68669	Sequence 68669, A

#	c			length	n	Accession	Sequence
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767		32.4	2.4	1195	4	US-09-072-967-341	Sequence 341, App
768		32.4	2.4	1257	4	US-09-902-540-5554	Sequence 5554, Ap
769		32.4	2.4	1353	4	US-09-252-991A-11563	Sequence 11563, A
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776		32.4	2.4	1455	4	US-09-949-016-3899	Sequence 3899, Ap
777		32.4	2.4	1461	4	US-09-398-522-113	Sequence 113, App
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782		32.4	2.4	1686	4	US-09-252-991A-4299	Sequence 4299, Ap
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786		32.4	2.4	2118	4	US-09-252-991A-11782	Sequence 11782, A
787		32.4	2.4	2298	4	US-09-902-540-2433	Sequence 2433, Ap
788		32.4	2.4	2380	3	US-09-747-259-13	Sequence 13, Appl
789		32.4	2.4	2469	4	US-09-252-991A-5349	Sequence 5349, Ap
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796		32.4	2.4	3435	4	US-09-344-510B-7	Sequence 7, Appli
797		32.4	2.4	5040	3	US-09-902-540-727	Sequence 727, App
798		32.4	2.4	5103	4	US-09-252-991A-5192	Sequence 5192, Ap
799		32.4	2.4	6855	4	US-09-252-991A-6976	Sequence 6976, Ap
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821		32.2	2.4	465	4	US-09-854-133-229	Sequence 229, App
822		32.2	2.4	484	4	US-09-621-976-35	Sequence 35, Appl
823		32.2	2.4	570	4	US-09-016-434-789	Sequence 789, App
824		32.2	2.4	594	4	US-09-902-540-8315	Sequence 8315, Ap
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828	c	32.2	2.4	669	4	US-09-902-540-7278	Sequence 7278, App
829	c	32.2	2.4	858	3	US-08-998-416-516	Sequence 516, App
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c	No.			Count	Application	Sequence
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	834	32.2	2.4	1143	US-08-387-942C-19	Sequence 19, Appl
	835	32.2	2.4	1176	US-09-902-540-3067	Sequence 3067, Ap
	836	32.2	2.4	1182	US-09-902-540-9062	Sequence 9062, Ap
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	839	32.2	2.4	1323	US-09-902-540-7602	Sequence 7602, Ap
	840	32.2	2.4	1479	US-09-252-991A-10839	Sequence 10839, A
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	843	32.2	2.4	1668	US-09-252-991A-10888	Sequence 10888, A
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	845	32.2	2.4	1848	US-09-252-991A-10829	Sequence 10829, A
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	850	32.2	2.4	2237	US-09-902-540-7406	Sequence 7406, Ap
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	852	32.2	2.4	2244	PCT-US95-09323-10	Sequence 10, Appl
	853	32.2	2.4	2334	US-08-476-519-1	Sequence 1, Appli
	854	32.2	2.4	2334	PCT-US95-09323-1	Sequence 1, Appli
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	857	32.2	2.4	2701	US-09-902-540-5547	Sequence 5547, Ap
	858	32.2	2.4	3282	US-09-489-847-52	Sequence 52, Appl
	859	32.2	2.4	3348	US-09-312-762A-2	Sequence 2, Appli
	860	32.2	2.4	3486	US-09-902-540-6301	Sequence 6301, Ap
	861	32.2	2.4	3638	US-09-902-540-686	Sequence 686, App
	862	32.2	2.4	5872	US-09-902-540-859	Sequence 859, App
	863	32.2	2.4	6854	US-09-194-905-7	Sequence 7, Appli
	864	32.2	2.4	6854	US-09-922-683-7	Sequence 7, Appli
	865	32.2	2.4	7244	US-09-774-528-143	Sequence 143, App
	866	32.2	2.4	8048	US-09-902-540-867	Sequence 867, App
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	870	32.2	2.4	17198	US-09-949-016-13776	Sequence 13776, A
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	872	32.2	2.4	20235	US-09-439-009A-3	Sequence 3, Appli
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	880	32.2	2.4	39039	US-09-949-016-16462	Sequence 16462, A
	881	32.2	2.4	41431	US-09-949-016-11908	Sequence 11908, A
	882	32.2	2.4	41431	US-09-949-016-16176	Sequence 16176, A
	883	32.2	2.4	49401	US-09-949-016-17080	Sequence 17080, A
	884	32.2	2.4	54484	US-09-902-540-1272	Sequence 1272, Ap
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	886	32.2	2.4	77997	US-09-949-016-12249	Sequence 12249, A
	887	32	2.4	251769	US-09-949-016-13185	Sequence 13185, A
	888	32	2.4	251769	US-09-949-016-13186	Sequence 13186, A
	889	32	2.4	266748	US-09-949-016-13187	Sequence 13187, A
	890	32	2.4	266748	US-09-949-016-13188	Sequence 13188, A
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	893	32	2.3	483	US-09-902-540-1856	Sequence 1856, Ap
	894	32	2.3	510	US-09-252-991A-15448	Sequence 15448, A
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c	896	32	2.3	601	US-09-949-016-201547	Sequence 201547,
	897	32	2.3	630	US-09-252-991A-3724	Sequence 3724, Ap
	898	32	2.3	642	US-09-902-540-7454	Sequence 7454, Ap
	899	32	2.3	644	US-09-902-540-7566	Sequence 7566, Ap
	900	32	2.3	953	US-09-452-239-45	Sequence 45, Appl
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	903	32	2.3	1032	US-09-138-873A-4	Sequence 4, Appli

c	No.			Count	Application	Sequence
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	907	2.3	32	1119	US-09-489-039A-5345	Sequence 5345, Ap
	908	2.3	32	1161	US-09-275-252A-17	Sequence 17, Appl
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	910	2.3	32	1245	US-09-252-991A-11404	Sequence 11404, A
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	914	2.3	32	1566	US-09-252-991A-3194	Sequence 3194, Ap
	915	2.3	32	1582	US-09-424-978B-35	Sequence 35, Appl
	916	2.3	32	1599	US-09-252-991A-2670	Sequence 2670, Ap
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	919	2.3	32	1707	US-09-902-540-2606	Sequence 2606, Ap
	920	2.3	32	1740	US-09-252-991A-15553	Sequence 15553, A
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	922	2.3	32	1784	US-09-073-010-102	Sequence 102, App
	923	2.3	32	1809	US-09-902-540-7762	Sequence 7762, Ap
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	927	2.3	32	2718	US-09-902-540-2891	Sequence 2891, Ap
	928	2.3	32	2742	US-09-252-991A-3678	Sequence 3678, Ap
	929	2.3	32	3109	US-09-902-540-413	Sequence 413, App
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	933	2.3	32	3323	US-09-965-830-1	Sequence 1, Appli
	934	2.3	32	3711	US-09-902-540-7049	Sequence 7049, Ap
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	936	2.3	32	4050	US-09-543-084A-26	Sequence 26, Appl
	937	2.3	32	4093	US-09-543-084A-28	Sequence 28, Appl
	938	2.3	32	4402	US-09-902-540-742	Sequence 742, App
	939	2.3	32	4761	US-09-902-540-739	Sequence 739, App
	940	2.3	32	5275	US-09-902-540-771	Sequence 771, App
	941	2.3	32	5482	US-09-902-540-723	Sequence 723, App
	942	2.3	32	6083	US-09-902-540-763	Sequence 763, App
	943	2.3	32	6677	US-08-939-366-27	Sequence 27, Appl
	944	2.3	32	6677	US-09-467-997-6	Sequence 6, Appli
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	957	2.3	32	46253	US-09-949-016-13711	Sequence 13711, A
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ID			Length	Patent		Sequence
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ID			Length	Patent		Sequence
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#					Patent ID	Sequence
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1212	31.4	2.3	874	4	US-09-902-540-6914	Sequence 6914, Ap
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1214	31.4	2.3	921	4	US-09-252-991A-1415	Sequence 1415, Ap
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1221	31.4	2.3	995	3	US-10-091-841A-10	Sequence 10, Appl
1222	31.4	2.3	995	3	US-10-091-841A-23	Sequence 23, Appl
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1256	31.4	2.3	2755	4	US-09-902-540-5035	Sequence 5035, Ap
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1279	31.4	2.3	30135	US-09-902-540-1249	4	Sequence 1249, Ap
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1291	31.2	2.3	563	US-09-970-921-6	3	Sequence 6, Appli
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1399	31.2	2.3	4176	US-09-902-540-2552	4	Sequence 2552, Ap
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ALIGNMENTS

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; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 49
; LENGTH: 1876
; TYPE: DNA
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US-09-866-028-49

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OM nucleic - nucleic search, using sw model

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and is derived by analysis of the total score distribution.

SUMMARIES

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Table (part 1, rows 393–465)

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c	393	34.4	1.8	68750	US-09-568-102-1	Sequence 1, Appli
c	394	34.4	1.8	68750	US-09-567-969-1	Sequence 1, Appli
c	395	34.4	1.8	68750	US-09-568-480-1	Sequence 1, Appli
c	396	34.4	1.8	68750	US-09-568-486-1	Sequence 1, Appli
	397	34.4	1.8	68750	US-09-568-472-1	Sequence 1, Appli
	398	34.4	1.8	68750	US-09-567-899-1	Sequence 1, Appli
	399	34.2	1.8	279	US-09-252-991A-7634	Sequence 7634, Ap
c	400	34.2	1.8	364	US-09-621-976-17202	Sequence 17202, A
	401	34.2	1.8	702	US-09-252-991A-6791	Sequence 6791, Ap
	402	34.2	1.8	729	US-09-140-804-10	Sequence 10, Appl
	403	34.2	1.8	729	US-09-686-838B-10	Sequence 10, Appl
c	404	34.2	1.8	765	US-09-252-991A-6948	Sequence 6948, Ap
	405	34.2	1.8	1011	US-09-252-991A-7564	Sequence 7564, Ap
	406	34.2	1.8	1119	US-08-387-942C-7	Sequence 2, Appli
	407	34.2	1.8	1155	US-09-252-991A-7776	Sequence 7776, Ap
c	408	34.2	1.8	1272	US-09-252-991A-6746	Sequence 6746, Ap
	409	34.2	1.8	1446	US-08-987-943-1	Sequence 1, Appli
	410	34.2	1.8	1755	US-09-902-540-3039	Sequence 3039, Ap
c	411	34.2	1.8	1755	US-09-023-655-668	Sequence 668, App
	412	34.2	1.8	2194	US-08-471-033-35	Sequence 35, Appl
	413	34.2	1.8	2576	US-08-471-044-35	Sequence 35, Appl
	414	34.2	1.8	2576	US-08-463-483A-35	Sequence 35, Appl
	415	34.2	1.8	2576	US-08-471-046A-35	Sequence 35, Appl
	416	34.2	1.8	2576	US-08-470-566B-35	Sequence 35, Appl
	417	34.2	1.8	2576	US-08-469-334-35	Sequence 17, Appl
	418	34.2	1.8	2576	US-09-300-529-35	Sequence 26, Appl
	419	34.2	1.8	2655	US-08-471-033-17	Sequence 17, Appl
	420	34.2	1.8	2655	US-08-471-033-26	Sequence 26, Appl
	421	34.2	1.8	2655	US-08-471-044-17	Sequence 17, Appl
	422	34.2	1.8	2655	US-08-471-044-26	Sequence 26, Appl
	423	34.2	1.8	2655	US-08-463-483A-17	Sequence 17, Appl
	424	34.2	1.8	2655	US-08-463-483A-26	Sequence 26, Appl
	425	34.2	1.8	2655	US-08-471-046A-17	Sequence 17, Appl
	426	34.2	1.8	2655	US-08-471-046A-26	Sequence 26, Appl
	427	34.2	1.8	2655	US-08-470-566B-17	Sequence 17, Appl
	428	34.2	1.8	2655	US-08-470-566B-26	Sequence 26, Appl
	429	34.2	1.8	2655	US-08-469-334-17	Sequence 17, Appl
	430	34.2	1.8	2655	US-08-469-334-26	Sequence 26, Appl
	431	34.2	1.8	2655	US-09-300-529-17	Sequence 17, Appl
	432	34.2	1.8	2655	US-09-300-529-26	Sequence 26, Appl
	433	34.2	1.8	2655	US-09-620-312D-140	Sequence 140, App
	434	34.2	1.8	3061	US-09-620-312D-139	Sequence 139, App
	435	34.2	1.8	3262	US-08-471-033-49	Sequence 49, Appl
	436	34.2	1.8	4031	US-08-471-044-49	Sequence 49, Appl
	437	34.2	1.8	4031	US-08-463-483A-49	Sequence 49, Appl
	438	34.2	1.8	4031	US-08-471-046A-49	Sequence 49, Appl
	439	34.2	1.8	4031	US-08-470-566B-49	Sequence 49, Appl
	440	34.2	1.8	4031	US-08-469-334-49	Sequence 49, Appl
	441	34.2	1.8	4031	US-09-300-529-49	Sequence 49, Appl
	442	34.2	1.8	4031	US-09-902-540-791	Sequence 791, App
	443	34.2	1.8	5105	US-09-949-016-12258	Sequence 12258, A
	444	34.2	1.8	10434	US-09-949-016-14654	Sequence 14654, A
	445	34.2	1.8	10435	US-08-804-227C-7	Sequence 7, Appli
	446	34.2	1.8	44377	US-08-804-198-1	Sequence 1, Appli
c	447	34.2	1.8	44377	US-09-949-016-12900	Sequence 12900, A
c	448	34.2	1.8	462589	US-09-949-016-12412	Sequence 12412, A
c	449	34.2	1.8	476044	US-09-621-976-8976	Sequence 8976, Ap
c	450	34	1.8	399	US-09-949-016-36596	Sequence 36596, A
	451	34	1.8	601	US-09-949-016-142212	Sequence 142212,
	452	34	1.8	601	US-10-101-464A-290	Sequence 290, App
	453	34	1.8	641	US-09-252-991A-9455	Sequence 9455, Ap
	454	34	1.8	1101	US-09-086-010-1	Sequence 1, Appli
	455	34	1.8	1203	US-09-620-312D-885	Sequence 885, App
	456	34	1.8	1455	US-09-902-540-6712	Sequence 6712, Ap
	457	34	1.8	1551	US-09-489-039A-4426	Sequence 4426, Ap
	458	34	1.8	1575	US-09-252-991A-9478	Sequence 9478, Ap
	459	34	1.8	1596	US-09-252-991A-9352	Sequence 9352, Ap
c	460	34	1.8	1650	US-08-872-855-3	Sequence 3, Appli
	461	34	1.8	2055	US-09-641-612-10	Sequence 10, Appl
c	462	34	1.8	2055	US-09-902-540-3407	Sequence 3407, Ap
c	463	34	1.8	2592	US-09-949-016-3992	Sequence 3992, Ap
c	464	34	1.8	2765	US-08-872-855-1	Sequence 1, Appli
	465	34	1.8	2800		

Table (part 2, rows 466–538)

	No.	Score	E	Length	N	Accession	Sequence
	466	34	1.8	2862	4	US-09-252-991A-443	Sequence 443, App
c	467	34	1.8	3156	4	US-09-252-991A-418	Sequence 418, Appl
	468	34	1.8	3339	4	US-09-423-753-4	Sequence 4, Appl
	469	34	1.8	3352	4	US-10-101-464A-868	Sequence 868, App
	470	34	1.8	3978	4	US-09-266-965-19	Sequence 19, Appl
c	471	34	1.8	4019	4	US-09-902-540-535	Sequence 535, App
	472	34	1.8	5709	4	US-09-949-016-14369	Sequence 14369, A
	473	34	1.8	12249	4	US-09-266-965-74	Sequence 74, Appl
	474	34	1.8	17593	4	US-09-949-016-12145	Sequence 12145, A
c	475	34	1.8	17593	4	US-09-949-016-15734	Sequence 15734, A
	476	34	1.8	17654	4	US-09-902-540-1161	Sequence 1161, Ap
	477	34	1.8	18331	4	US-09-266-965-96	Sequence 96, Appl
c	478	34	1.8	37710	4	US-09-949-016-15761	Sequence 15761, A
	479	33.8	1.8	37712	4	US-09-949-016-12692	Sequence 12692, A
	480	33.8	1.8	378	4	US-09-640-211A-1421	Sequence 1421, A
	481	33.8	1.8	601	4	US-09-949-016-137725	Sequence 137725,
	482	33.8	1.8	738	4	US-09-252-991A-9456	Sequence 9456, Ap
c	483	33.8	1.8	816	4	US-09-252-991A-9480	Sequence 9480, Ap
	484	33.8	1.8	951	4	US-09-902-540-5206	Sequence 5206, Ap
	485	33.8	1.8	1113	4	US-09-902-540-5622	Sequence 5622, Ap
	486	33.8	1.8	1137	4	US-09-724-797-39	Sequence 39, Appl
	487	33.8	1.8	1172	4	US-09-311-021-149	Sequence 149, App
c	488	33.8	1.8	1332	4	US-09-902-540-9662	Sequence 9662, Ap
c	489	33.8	1.8	1554	4	US-09-252-991A-9350	Sequence 9350, Ap
	490	33.8	1.8	1818	4	US-09-475-515-59	Sequence 59, Appl
	491	33.8	1.8	1818	4	US-09-475-515-61	Sequence 61, Appl
	492	33.8	1.8	1818	4	US-09-475-515-62	Sequence 62, Appl
	493	33.8	1.8	1863	4	US-09-475-515-63	Sequence 63, Appl
c	494	33.8	1.8	2007	4	US-09-902-540-9461	Sequence 9461, Ap
	495	33.8	1.8	2031	4	US-09-475-515-60	Sequence 60, Appl
c	496	33.8	1.8	2112	4	US-09-475-515-56	Sequence 56, Appl
	497	33.8	1.8	2181	4	US-09-475-515-57	Sequence 57, Appl
	498	33.8	1.8	2181	4	US-09-475-515-58	Sequence 58, Appl
	499	33.8	1.8	2340	4	US-09-475-515-67	Sequence 67, Appl
	500	33.8	1.8	2385	4	US-09-475-515-68	Sequence 68, Appl
	501	33.8	1.8	2538	4	US-09-475-515-65	Sequence 65, Appl
	502	33.8	1.8	2553	4	US-09-475-515-66	Sequence 66, Appl
	503	33.8	1.8	2634	4	US-09-475-515-64	Sequence 64, Appl
	504	33.8	1.8	2730	4	US-09-902-540-5705	Sequence 5705, Ap
	505	33.8	1.8	3123	4	US-09-902-540-3802	Sequence 3802, Ap
	506	33.8	1.8	3624	1	US-07-951-715A-6	Sequence 6, Appli
	507	33.8	1.8	3624	3	US-08-445-448A-6	Sequence 6, Appli
	508	33.8	1.8	3624	3	US-08-459-595A-6	Sequence 6, Appli
	509	33.8	1.8	3624	3	US-08-459-504B-6	Sequence 6, Appli
	510	33.8	1.8	3624	3	US-08-455-444-6	Sequence 6, Appli
	511	33.8	1.8	3624	4	US-09-053-549-7	Sequence 7, Appli
	512	33.8	1.8	3624	4	US-09-547-422-6	Sequence 6, Appli
	513	33.8	1.8	3624	4	US-09-988-462-6	Sequence 6, Appli
	514	33.8	1.8	3780	4	US-09-902-540-9287	Sequence 9287, Ap
	515	33.8	1.8	4472	4	US-09-475-515-75	Sequence 75, Appl
	516	33.8	1.8	4494	4	US-09-902-540-7532	Sequence 7532, Ap
	517	33.8	1.8	4766	4	US-09-475-515-73	Sequence 73, Appl
	518	33.6	1.8	6988	4	US-09-902-540-733	Sequence 733, App
	519	33.6	1.8	9567	4	US-09-902-540-1002	Sequence 1002, Ap
	520	33.6	1.8	9873	4	US-09-902-540-992	Sequence 992, App
c	521	33.6	1.8	11854	4	US-09-902-540-1037	Sequence 1037, Ap
c	522	33.6	1.8	14555	4	US-09-902-540-1096	Sequence 1096, Ap
	523	33.6	1.8	15095	4	US-09-902-540-1077	Sequence 1077, Ap
	524	33.6	1.8	15923	4	US-09-902-540-1095	Sequence 1095, Ap
	525	33.6	1.8	46902	4	US-09-949-016-13844	Sequence 13844, A
c	526	33.6	1.8	50725	4	US-09-902-540-1271	Sequence 1271, A
c	527	33.6	1.8	119981	4	US-09-949-016-11844	Sequence 11844, A
c	528	33.6	1.8	119982	4	US-09-949-016-13606	Sequence 13606, A
	529	33.6	1.8	136917	4	US-09-949-016-16369	Sequence 16369, A
c	530	33.6	1.8	214	4	US-09-023-655-1231	Sequence 1231, Ap
c	531	33.6	1.8	477	4	US-09-621-976-1779	Sequence 1779, Ap
c	532	33.6	1.8	600	4	US-09-902-540-2429	Sequence 2429, Ap
c	533	33.6	1.8	663	4	US-09-252-991A-5078	Sequence 5078, Ap
c	534	33.6	1.8	702	4	US-09-252-991A-626	Sequence 626, App
c	535	33.6	1.8	762	4	US-09-902-540-4596	Sequence 4596, Ap
c	536	33.6	1.8	792	4	US-09-724-797-11	Sequence 11, Appl
c	537	33.6	1.8	804	4	US-09-252-991A-5139	Sequence 5139, Ap
c	538	33.6	1.8	894	4	US-09-252-991A-11338	Sequence 11338, A

#	c	%		Length	Application No.	Sequence
539	c	33.6	1.8	909	US-09-252-991A-11955	Sequence 11955, A
540	c	33.6	1.8	1023	US-09-252-991A-12057	Sequence 12057, A
541	c	33.6	1.8	1335	US-09-252-991A-11357	Sequence 11357, A
542	c	33.6	1.8	1350	US-09-252-991A-677	Sequence 677, App
543		33.6	1.8	1517	US-09-902-540-214	Sequence 214, App
544	c	33.6	1.8	1680	US-09-252-991A-11917	Sequence 11917, A
545	c	33.6	1.8	1716	US-09-902-540-9034	Sequence 9034, Ap
546	c	33.6	1.8	1843	US-08-774-169-2	Sequence 2, Appli
547	c	33.6	1.8	1860	US-09-252-991A-5014	Sequence 5014, Ap
548	c	33.6	1.8	1987	US-09-774-528-158	Sequence 158, App
549		33.6	1.8	1988	US-08-257-963B-11	Sequence 11, Appl
550	c	33.6	1.8	1988	US-08-367-841A-11	Sequence 11, Appl
551		33.6	1.8	1988	PCT-US95-07201-11	Sequence 11, Appl
552		33.6	1.8	2253	US-09-902-540-3708	Sequence 3708, Ap
553		33.6	1.8	2385	US-09-252-991A-11998	Sequence 11998, A
554	c	33.6	1.8	3238	US-09-949-016-740	Sequence 740, App
555	c	33.6	1.8	4230	US-09-252-991A-5711	Sequence 5711, Ap
556	c	33.6	1.8	4941	US-09-252-991A-5741	Sequence 5741, Ap
557		33.6	1.8	5262	US-08-520-373D-5	Sequence 5, Appli
558	c	33.6	1.8	6049	US-08-793-273C-3	Sequence 3, Appli
559	c	33.6	1.8	6049	PCT-US95-11684-3	Sequence 3, Appli
560	c	33.6	1.8	9198	US-09-902-540-966	Sequence 966, App
561	c	33.6	1.8	12449	US-09-949-016-15755	Sequence 15755, A
562	c	33.6	1.8	13234	US-09-902-540-986	Sequence 986, App
563	c	33.6	1.8	14899	US-09-902-540-1107	Sequence 1107, Ap
564		33.4	1.8	18031	US-09-902-540-1180	Sequence 1180, Ap
565	c	33.4	1.8	19503	US-09-949-016-16528	Sequence 16528, A
566		33.4	1.8	27707	US-09-902-540-1226	Sequence 1226, Ap
567	c	33.4	1.8	134890	US-09-949-016-15602	Sequence 15602, A
568	c	33.4	1.8	444	US-09-252-991A-1153	Sequence 1153, Ap
569		33.4	1.8	567	US-09-252-991A-12435	Sequence 12435, A
570	c	33.4	1.8	601	US-09-949-016-40556	Sequence 40556, A
571	c	33.4	1.8	601	US-09-949-016-40557	Sequence 40557, A
572		33.4	1.8	601	US-09-949-016-194473	Sequence 194473,
573	c	33.4	1.8	601	US-09-949-016-194474	Sequence 194474,
574	c	33.4	1.8	840	US-09-902-540-8736	Sequence 8736, Ap
575		33.4	1.8	852	US-09-893-737-151	Sequence 151, App
576	c	33.4	1.8	852	US-09-893-737-297	Sequence 297, App
577	c	33.4	1.8	936	US-09-902-540-3745	Sequence 3745, Ap
578		33.4	1.8	948	US-09-498-520A-19	Sequence 19, Appl
579		33.4	1.8	975	US-09-252-991A-1605	Sequence 1605, Ap
580	c	33.4	1.8	987	US-09-252-991A-1419	Sequence 1419, Ap
581	c	33.4	1.8	1056	US-09-252-991A-1313	Sequence 1313, Ap
582	c	33.4	1.8	1089	US-09-252-991A-13222	Sequence 13222, A
583	c	33.4	1.8	1116	US-09-724-797-94	Sequence 94, Appl
584	c	33.4	1.8	1263	US-09-252-991A-6983	Sequence 6983, Ap
585		33.4	1.8	1329	US-09-902-540-6464	Sequence 6464, Ap
586	c	33.4	1.8	1455	US-09-252-991A-1519	Sequence 1519, Ap
587	c	33.4	1.8	1593	US-09-083-351-3	Sequence 3, Appli
588	c	33.4	1.8	1659	US-09-083-352-3	Sequence 3, Appli
589		33.4	1.8	1659	US-09-612-809B-3	Sequence 3, Appli
590		33.4	1.8	1662	US-09-902-540-3727	Sequence 3727, Ap
591		33.4	1.8	1761	US-07-737-851-1	Sequence 1, Appli
592		33.4	1.8	1969	US-07-894-062-3	Sequence 3, Appli
593		33.4	1.8	1969	US-09-096-562-3	Sequence 3, Appli
594		33.4	1.8	1969	US-09-252-991A-1657	Sequence 1657, Ap
595		33.4	1.8	2406	US-09-758-282B-242	Sequence 242, App
596		33.4	1.8	2508	US-09-577-304A-242	Sequence 242, App
597		33.4	1.8	2569	US-09-799-451-545	Sequence 545, App
598		33.4	1.8	2712	US-09-902-540-454	Sequence 454, App
599		33.4	1.8	2742	US-09-252-991A-5556	Sequence 5556, Ap
600		33.4	1.8	2910	US-09-252-991A-7009	Sequence 7009, Ap
601		33.4	1.8	3186	US-09-252-991A-7120	Sequence 7120, Ap
602	c	33.4	1.8	3321	US-09-252-991A-5668	Sequence 5668, Ap
603		33.4	1.8	3946	US-09-083-351-1	Sequence 1, Appli
604		33.4	1.8	3946	US-09-083-352-1	Sequence 1, Appli
605		33.4	1.8	3981	US-09-252-991A-1361	Sequence 1361, Ap
606	c	33.4	1.8	4171	US-09-252-991A-1244	Sequence 1244, Ap
607	c	33.4	1.8	4771	US-08-840-062-3	Sequence 3, Appli
608		33.4	1.8	6037	US-09-902-540-631	Sequence 631, App
609	c	33.4	1.8	8532	US-09-902-540-927	Sequence 927, App
610		33.4	1.8	9997	US-08-246-982A-15	Sequence 15, Appl
612		33.4	1.8	9997	US-08-453-265-15	Sequence 15, Appl
613	c	33.4	1.8	17897	US-09-902-540-1182	Sequence 1182, Ap
614		33.4	1.8	19112	US-09-902-540-1181	Sequence 1181, Ap
615		33.4	1.8	24459	US-09-902-540-5004	Sequence 5004, Ap
616	c	33.4	1.8	32241	US-09-902-540-1247	Sequence 1247, Ap
617	c	33.4	1.8	36800	US-08-311-731A-139	Sequence 139, App
618	c	33.4	1.8	49559	US-09-949-016-12892	Sequence 12892, A
619	c	33.4	1.8	49559	US-09-949-016-17267	Sequence 17267, A
620	c	33.4	1.8	74644	US-09-949-016-17556	Sequence 17556, A
621	c	33.4	1.8	133063	US-09-949-016-16293	Sequence 16293, A
622	c	33.2	1.8	601	US-09-949-016-167451	Sequence 167451,
623		33.2	1.8	702	US-09-477-392-48	Sequence 48, Appl
624		33.2	1.8	990	US-09-902-540-7222	Sequence 7222, Ap
625		33.2	1.8	1194	US-09-902-540-8211	Sequence 8211, Ap
626		33.2	1.8	1230	US-09-902-540-2623	Sequence 2623, Ap
627	c	33.2	1.8	1368	US-09-902-540-9337	Sequence 9337, Ap
628	c	33.2	1.8	1455	US-09-252-991A-7678	Sequence 7678, Ap
629	c	33.2	1.8	1485	US-09-252-991A-7528	Sequence 7528, Ap
630	c	33.2	1.8	1621	US-09-949-016-516	Sequence 516, App
631	c	33.2	1.8	1853	US-09-949-016-1012	Sequence 1012, Ap
632	c	33.2	1.8	2469	US-09-489-039A-1538	Sequence 1538, Ap
633		33.2	1.8	2954	US-09-477-392-1	Sequence 1, Appli
634		33.2	1.8	3231	US-08-195-152-1	Sequence 1, Appli
635		33.2	1.8	3231	US-08-754-311B-1	Sequence 1, Appli
636		33.2	1.8	3342	US-09-252-991A-7814	Sequence 7814, Ap
637		33.2	1.8	3358	US-09-248-571-2	Sequence 2, Appli
638		33.2	1.8	3358	US-09-553-736-2	Sequence 2, Appli
639		33.2	1.8	4849	US-09-520-312D-39	Sequence 39, Appl
640	c	33.2	1.8	5418	US-09-902-540-675	Sequence 675, App
641		33.2	1.8	6854	US-09-194-905-7	Sequence 7, Appli
642		33.2	1.8	6854	US-09-222-683-7	Sequence 7, Appli
643		33.2	1.8	8060	US-09-902-540-847	Sequence 847, App
644	c	33.2	1.8	10486	US-09-902-540-997	Sequence 997, App
645	c	33.2	1.8	15338	US-09-902-540-1121	Sequence 1121, Ap
646	c	33.2	1.8	17331	US-09-949-016-14503	Sequence 14503, A
647	c	33.2	1.8	24040	US-09-949-016-12118	Sequence 12118, A
648	c	33.2	1.8	56448	US-09-949-016-16463	Sequence 16463, A
649		33.2	1.8	158735	US-09-949-016-11989	Sequence 11989, A
650	c	33.2	1.8	158735	US-09-949-016-17130	Sequence 17130, A
651	c	33	1.8	449	US-09-370-838-9	Sequence 9, Appli
652		33	1.8	449	US-09-854-133-9	Sequence 9, Appli
653		33	1.8	509	US-09-602-565-7	Sequence 7, Appli
654	c	33	1.8	1076	US-09-690-454-17	Sequence 17, Appl
655		33	1.8	1089	US-08-154-915-1	Sequence 1, Appli
656	c	33	1.8	1089	US-08-464-517-37	Sequence 37, Appl
657		33	1.8	1089	US-08-246-361A-37	Sequence 37, Appl
658		33	1.8	1089	US-08-463-772-37	Sequence 37, Appl
659		33	1.8	1161	PCT-US93-09945-1	Sequence 1, Appli
660	c	33	1.8	1245	US-09-902-540-4538	Sequence 4538, Ap
661		33	1.8	1278	US-09-252-991A-11324	Sequence 11324, A
662	c	33	1.8	1390	US-09-902-540-7456	Sequence 7456, Ap
663	c	33	1.8	1673	US-09-602-565-2	Sequence 2, Appli
664		33	1.8	1740	US-09-774-528-115	Sequence 115, App
665		33	1.8	1774	US-09-252-991A-11286	Sequence 11286, A
666		33	1.8	1896	US-09-489-847-17	Sequence 17, Appl
667	c	33	1.8	2274	US-09-252-991A-11331	Sequence 11331, A
668	c	33	1.8	2440	US-09-949-016-5060	Sequence 5060, Ap
669		33	1.8	4631	US-09-513-007-1	Sequence 1, Appli
670		33	1.8	4692	US-09-902-540-720	Sequence 720, App
671		33	1.8	4692	US-08-916-917-1	Sequence 1, Appli
672		33	1.8	4692	US-08-972-631-1	Sequence 1, Appli
673		33	1.8	4692	US-08-972-629-1	Sequence 1, Appli
674		33	1.8	4692	US-08-972-630-1	Sequence 1, Appli
675		33	1.8	4692	US-08-672-211-1	Sequence 1, Appli
676		33	1.8	4692	US-09-225-170-1	Sequence 1, Appli
677		33	1.8	5904	US-07-745-206A-6	Sequence 6, Appli
678		33	1.8	5904	US-08-455-543A-3	Sequence 3, Appli
679		33	1.8	5904	US-08-193-078B-3	Sequence 3, Appli
680		33	1.8	5904	US-08-223-305C-3	Sequence 3, Appli
681		33	1.8	5904	US-08-149-097D-3	Sequence 3, Appli
682		33	1.8	6047	US-09-311-363-6	Sequence 6, Appli
683		33	1.8	6575	US-08-949-386-3	Sequence 3, Appli

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686		33	1.8	6575	US-08-984-709A-3	3	Sequence 3, Appli
687		33	1.8	6575	US-08-450-272-3	3	Sequence 3, Appli
688		33	1.8	6575	US-08-450-273-3	4	Sequence 3, Appl
689		33	1.8	11766	US-09-949-016-12531	4	Sequence 12531, A
690		33	1.8	11770	US-09-949-016-12720	4	Sequence 12720, A
691		33	1.8	11770	US-09-949-016-13487	4	Sequence 13487, A
692		33	1.8	25497	US-09-949-016-13488	4	Sequence 13488, A
693		33	1.8	27219	US-09-902-540-1224	4	Sequence 1244, Ap
694	c	33	1.8	28509	US-09-902-540-1240	4	Sequence 1240, Ap
695		33	1.8	34312	US-09-949-016-12352	4	Sequence 12352, A
696		33	1.8	61399	US-09-949-016-14386	4	Sequence 14386, A
697		33	1.8	92344	US-09-949-016-16802	4	Sequence 16802, A
698	c	32.8	1.7	369	US-09-535-521-24	3	Sequence 24, Appl
699	c	32.8	1.7	369	US-09-535-521-26	3	Sequence 26, Appl
700	c	32.8	1.7	384	US-09-535-521-7	3	Sequence 7, Appli
701		32.8	1.7	384	US-09-535-521-9	3	Sequence 9, Appli
702		32.8	1.7	384	US-09-535-521-10	3	Sequence 10, Appl
703		32.8	1.7	417	US-09-535-521-12	3	Sequence 12, Appl
704	c	32.8	1.7	417	US-09-535-521-13	3	Sequence 13, Appl
705	c	32.8	1.7	423	US-09-535-521-15	3	Sequence 15, Appl
706	c	32.8	1.7	423	US-09-189-060B-17	3	Sequence 17, Appl
707	c	32.8	1.7	491	US-09-949-016-2292	3	Sequence 2292, Ap
708	c	32.8	1.7	492	US-09-252-991A-7246	4	Sequence 7246, Ap
709	c	32.8	1.7	495	US-09-535-521-16	3	Sequence 16, Appl
710		32.8	1.7	561	US-09-535-521-18	3	Sequence 18, Appl
711	c	32.8	1.7	561	US-09-949-016-79723	4	Sequence 79723, A
712	c	32.8	1.7	601	US-09-949-016-79724	4	Sequence 79724, A
713	c	32.8	1.7	601	US-09-949-016-177677		Sequence 177677,
714	c	32.8	1.7	601	US-09-949-016-177678		Sequence 177678,
715	c	32.8	1.7	601	US-09-949-016-206495		Sequence 206495,
716	c	32.8	1.7	601	US-09-535-521-19	3	Sequence 19, Appl
717	c	32.8	1.7	624	US-09-535-521-21	4	Sequence 21, Appl
718	c	32.8	1.7	624	US-09-902-540-3631	4	Sequence 3631, Ap
719		32.8	1.7	663	US-09-252-991A-7308	4	Sequence 7308, Ap
720		32.8	1.7	693	US-09-535-521-4	3	Sequence 4, Appli
721		32.8	1.7	876	US-09-535-521-6	3	Sequence 6, Appli
722	c	32.8	1.7	876	US-09-434-354-3	3	Sequence 3, Appli
723	c	32.8	1.7	897	US-09-709-785-3	4	Sequence 3, Appl
724	c	32.8	1.7	897	US-09-252-991A-5764	4	Sequence 5764, Ap
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726	c	32.8	1.7	987	US-09-252-991A-7103	4	Sequence 7103, Ap
727		32.8	1.7	1008	US-09-902-540-6857	4	Sequence 6857, Ap
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729		32.8	1.7	1041	US-09-902-540-2395	4	Sequence 2395, Ap
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731		32.8	1.7	1080	US-09-831-228-1	2	Sequence 1, Appl
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733		32.8	1.7	1164	US-09-255-671-3	3	Sequence 3, Appli
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735		32.8	1.7	1209	US-09-252-991A-5391	4	Sequence 5391, Ap
736		32.8	1.7	1212	US-09-252-991A-7454	4	Sequence 7454, Ap
737		32.8	1.7	1242	US-09-826-509-556	3	Sequence 556, App
738		32.8	1.7	1263	US-09-620-312D-687	4	Sequence 687, App
739		32.8	1.7	1376	US-09-252-991A-9668	4	Sequence 9668, Ap
740		32.8	1.7	1380	US-09-252-991A-7050	4	Sequence 7050, Ap
741		32.8	1.7	1394	US-09-016-434-1361	4	Sequence 1361, Ap
742		32.8	1.7	1394	US-09-902-540-3259	4	Sequence 3259, Ap
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745		32.8	1.7	1431	US-09-902-540-8720	4	Sequence 8720, Ap
746		32.8	1.7	1434	US-09-724-224-7	3	Sequence 7, Appli
747		32.8	1.7	1464	US-09-724-224-3	3	Sequence 3, Appli
748		32.8	1.7	1538	US-10-093-317-7	3	Sequence 7, Appli
749		32.8	1.7	1538	US-10-093-317-3	3	Sequence 3, Appli
750		32.8	1.7	1608	US-09-252-991A-9091	4	Sequence 9091, Ap
751		32.8	1.7	1650	US-09-252-991A-3625	4	Sequence 3625, Ap
752		32.8	1.7	1683	US-09-252-991A-5403	4	Sequence 5403, Ap
753		32.8	1.7	1710	US-09-252-991A-9011	4	Sequence 9011, Ap
754		32.8	1.7	1800	US-09-252-991A-3891	4	Sequence 3891, Ap
755	c	32.8	1.7	1824	US-09-252-991A-4025	4	Sequence 4025, Ap
756	c	32.8	1.7	1875	US-09-252-991A-3919	4	Sequence 3919, Ap
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761		32.8	1.7	2097	4	US-08-595-684B-34	Sequence 34, Appl
762		32.8	1.7	2099	4	US-09-949-016-2913	Sequence 2913, Ap
763		32.8	1.7	2511	4	US-09-252-991A-9494	Sequence 9494, Ap
764		32.8	1.7	2583	4	US-09-252-991A-9541	Sequence 9541, Ap
765		32.8	1.7	2712	4	US-09-252-991A-1366	Sequence 1366, Ap
766	c	32.8	1.7	2766	4	US-09-252-991A-3756	Sequence 3756, Ap
767		32.8	1.7	2817	4	US-09-252-991A-7311	Sequence 7311, Ap
768		32.8	1.7	2851	3	US-09-535-521-1	Sequence 1, Appli
769	c	32.8	1.7	2851	3	US-09-535-521-3	Sequence 3, Appli
770	c	32.8	1.7	2862	4	US-09-902-540-7749	Sequence 7749, Ap
771	c	32.8	1.7	2874	4	US-09-252-991A-3837	Sequence 3837, Ap
772	c	32.8	1.7	2880	4	US-09-252-991A-7187	Sequence 7187, Ap
773		32.8	1.7	3099	4	US-09-902-540-5065	Sequence 5065, Ap
774		32.8	1.7	3447	4	US-09-949-016-1944	Sequence 1944, Ap
775		32.8	1.7	3592	2	US-08-469-537A-100	Sequence 100, App
776		32.8	1.7	3957	1	US-07-689-008-5	Sequence 5, Appli
777		32.8	1.7	4139	4	US-09-620-312D-349	Sequence 349, App
778		32.8	1.7	4148	4	US-09-902-540-578	Sequence 578, App
779		32.8	1.7	4493	4	US-09-949-016-14034	Sequence 14034, A
780	c	32.8	1.7	5276	4	US-09-233-857-2	Sequence 2, Appli
781	c	32.8	1.7	6567	4	US-09-902-540-769	Sequence 769, App
782	c	32.8	1.7	7295	4	US-09-902-540-924	Sequence 924, App
783		32.8	1.7	9540	1	US-07-689-008-1	Sequence 1, Appli
784	c	32.8	1.7	10023	4	US-09-252-991A-6997	Sequence 6997, Ap
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786		32.8	1.7	15172	4	US-09-902-540-1086	Sequence 1086, Ap
787		32.8	1.7	15209	4	US-09-902-540-1104	Sequence 1104, Ap
788	c	32.8	1.7	18848	4	US-09-902-540-1174	Sequence 1174, Ap
789		32.8	1.7	19954	4	US-09-902-540-1150	Sequence 1150, Ap
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791		32.8	1.7	28054	4	US-09-902-540-1248	Sequence 1248, Ap
792		32.8	1.7	28194	4	US-09-902-540-1250	Sequence 1250, Ap
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797	c	32.8	1.7	53500	4	US-09-266-965-76	Sequence 76, Appl
798	c	32.8	1.7	77772	4	US-09-949-016-17417	Sequence 17417, A
799	c	32.8	1.7	77997	4	US-09-949-016-12249	Sequence 12249, A
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801		32.8	1.7	153642	4	US-09-949-016-12174	Sequence 12174, A
802		32.8	1.7	153643	4	US-09-949-016-15635	Sequence 15635, A
803		32.8	1.7	187916	4	US-09-949-016-12980	Sequence 12980, A
804	c	32.6	1.7	435	4	US-09-252-991A-9379	Sequence 9379, Ap
805	c	32.6	1.7	439	4	US-09-621-976-14143	Sequence 14143, A
806	c	32.6	1.7	601	4	US-09-949-016-121668	Sequence 121668,
807	c	32.6	1.7	615	4	US-09-489-039A-6321	Sequence 6321, Ap
808	c	32.6	1.7	657	4	US-09-252-991A-6701	Sequence 6701, Ap
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810		32.6	1.7	671	4	US-09-952-060-13	Sequence 13, Appl
811		32.6	1.7	719	4	US-09-952-060-11	Sequence 11, Appl
812		32.6	1.7	720	4	US-09-952-060-15	Sequence 15, Appl
813		32.6	1.7	831	4	US-09-902-540-9552	Sequence 9552, Ap
814		32.6	1.7	860	4	US-09-270-767-11964	Sequence 11964, A
815		32.6	1.7	1083	4	US-09-252-991A-9481	Sequence 9481, Ap
816		32.6	1.7	1092	4	US-09-252-991A-6628	Sequence 6628, Ap
817		32.6	1.7	1095	4	US-09-252-991A-6626	Sequence 6626, Ap
818		32.6	1.7	1296	4	US-09-252-991A-2364	Sequence 2364, Ap
819		32.6	1.7	1332	1	US-08-660-765A-3	Sequence 3, Appli
820		32.6	1.7	1344	4	US-09-566-921-59	Sequence 59, Appl
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822		32.6	1.7	1521	4	US-09-252-991A-5239	Sequence 5239, Ap
823		32.6	1.7	1653	4	US-09-489-039A-6798	Sequence 6798, Ap
824	c	32.6	1.7	1674	4	US-09-489-039A-6624	Sequence 6624, Ap
825		32.6	1.7	1716	4	US-09-270-767-11940	Sequence 11940, A
826		32.6	1.7	1794	4	US-09-252-991A-5181	Sequence 5181, Ap
827		32.6	1.7	1821	4	US-09-266-965-82	Sequence 82, Appl
828		32.6	1.7	1854	4	US-09-902-540-7083	Sequence 7083, Ap
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833	c	32.6	1.7	2547	4	US-09-252-991A-5294	Sequence 5294, Ap
834		32.6	1.7	2673	4	US-09-902-540-4830	Sequence 4830, Ap
835		32.6	1.7	2775	4	US-09-252-991A-6637	Sequence 6637, Ap
836	c	32.6	1.7	2903	4	US-09-799-451-871	Sequence 871, Appl
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838		32.6	1.7	3135	4	US-09-252-991A-2282	Sequence 2282, Ap
839	c	32.6	1.7	3186	1	US-08-761-258-8	Sequence 8, Appli
840	c	32.6	1.7	3186	2	US-08-977-306-8	Sequence 8, Appli
841		32.6	1.7	3273	4	US-09-252-991A-6578	Sequence 6578, Ap
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843		32.6	1.7	3603	4	US-09-902-540-3266	Sequence 3266, Ap
844		32.6	1.7	3810	4	US-09-252-991A-6579	Sequence 6579, Ap
845		32.6	1.7	4231	4	US-09-902-540-633	Sequence 633, Appl
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847		32.6	1.7	7286	5	US-09-740-027-3	Sequence 3, Appli
848		32.6	1.7	18034	5	US-09-266-965-75	Sequence 75, Appl
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852		32.6	1.7	24721	4	US-09-902-540-1237	Sequence 1237, Ap
853		32.6	1.7	26659	4	US-09-949-016-12926	Sequence 12926, A
854	c	32.6	1.7	26967	4	US-09-949-016-15628	Sequence 15628, A
855		32.6	1.7	31111	4	US-09-949-016-14952	Sequence 14952, A
856		32.6	1.7	32495	4	US-09-952-060-30	Sequence 30, Appl
857		32.6	1.7	36620	1	US-08-764-233A-1	Sequence 1, Appli
858		32.6	1.7	49377	1	US-09-949-016-14080	Sequence 14080, A
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863		32.4	1.7	156894	4	US-09-621-976-5734	Sequence 5734, Ap
864		32.4	1.7	156894	4	US-09-621-976-1776	Sequence 1776, Ap
865	c	32.4	1.7	156895	4	US-09-949-016-12766	Sequence 12766, A
866	c	32.4	1.7	156895	4	US-09-949-016-16957	Sequence 16957, A
867	c	32.4	1.7	156895	4	US-09-949-016-16959	Sequence 16959, A
868		32.4	1.7	356	3	US-09-385-028-22	Sequence 22, Appl
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870		32.4	1.7	415	4	US-08-283-471A-19	Sequence 19, Appl
871		32.4	1.7	423	4	US-09-621-976-17487	Sequence 17487, A
872		32.4	1.7	432	4	US-09-252-991A-1007	Sequence 1007, Ap
873		32.4	1.7	468	4	US-09-385-040-22	Sequence 22, Appl
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875		32.4	1.7	591	4	US-09-902-540-4154	Sequence 4154, Ap
876		32.4	1.7	601	4	US-08-586-664-2	Sequence 2, Appli
877		32.4	1.7	601	4	US-09-902-540-3178	Sequence 3178, Ap
878		32.4	1.7	601	4	US-09-072-596-336	Sequence 336, App
879		32.4	1.7	601	4	US-09-902-540-5554	Sequence 5554, Ap
880		32.4	1.7	601	4	US-09-252-991A-11563	Sequence 11563, A
881		32.4	1.7	744	4	US-09-902-540-3448	Sequence 3448, Ap
882		32.4	1.7	744	4	US-09-252-991A-11499	Sequence 11499, A
883		32.4	1.7	744	4	US-09-252-991A-11886	Sequence 11886, A
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907	c	32.4	1.7	2298	4	US-09-902-540-2433	Sequence 2433, Ap
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914		32.4	1.7	2808	4	US-09-445-247-7	Sequence 7, Appli
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1120	32	1.7	4761	US-09-902-540-872	Sequence 739, APP
1121	32	1.7	5275	US-09-902-540-742	Sequence 771, APP
1122	32	1.7	5482	US-09-902-540-739	Sequence 723, APP

ID					Publication No.	Sequence
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c1128	32	1.7	9338	4	US-09-949-016-13864	Sequence 13864, App
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ID			Number	Patent	Copies	Sequence
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1315	31.6	1.7	999	US-09-902-540-8492	2	Sequence 8492, Ap
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1341	31.6	1.7	1630	US-09-615-192A-107	3	Sequence 107, App

ID			Number	Patent	Copies	Sequence
1342	31.6	1.7	1630	US-09-169-789-107	4	Sequence 107, App
1343	31.6	1.7	1674	US-09-949-016-3095	4	Sequence 3095, Ap
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1351	31.6	1.7	1879	US-09-231-818-5	3	Sequence 5, Appli
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1378	31.6	1.7	3080	US-09-245-281-25	3	Sequence 25, Appl
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1381	31.6	1.7	3080	US-09-865-364-25	4	Sequence 25, Appl
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1383	31.6	1.7	3382	US-09-245-281-7	4	Sequence 7, Appli
1384	31.6	1.7	3382	US-09-207-359B-7	4	Sequence 7, Appli
1385	31.6	1.7	3382	US-09-340-620A-7	4	Sequence 7, Appli
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1387	31.6	1.7	4302	US-09-245-281-38	4	Sequence 38, Appl
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1390	31.6	1.7	4302	US-09-865-364-38	4	Sequence 38, Appl
1391	31.6	1.7	4825	US-09-902-540-692	4	Sequence 692, App
1392	31.6	1.7	4989	US-09-693-011-12	4	Sequence 12, Appl
1393	31.6	1.7	5083	US-09-693-011-11	4	Sequence 11, Appl
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1397	31.6	1.7	7317	US-09-902-540-715	4	Sequence 715, App
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ALIGNMENTS

RESULT 1
US-09-866-028-49
; Sequence 49, Application US/09866028
; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 49
; LENGTH: 1876
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-866-028-49

Query Match   100.0%;   Score 1876;   DB 4;   Length 1876;
Best Local Similarity 100.0%;   Pred. No. 0;
Matches 1876;   Mismatches 0;   Conservative 0;   Indels 0;   Gaps 0;

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RESULT 2
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; Sequence 49, Application US/09944457
; Patent No. 6734288
GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
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; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944,457
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067,411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069,334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069935
; PRIOR FILING DATE: December 11, 1997

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9566.154 Million cell updates/sec

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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 7400732 seqs, 334137571 residues

Total number of hits satisfying chosen parameters: 14801464

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Post-processing: Minimum Match 0%
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Database : Published Applications NA:*
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38		1721	91.7	1775	18	US-10-169-395-25	Sequence 25, Appl
39		1636	87.2	1934	22	US-10-450-763-27594	Sequence 27594, A
40		1526.6	81.4	1682	17	US-10-309-290-83	Sequence 83, Appl
41		1296	69.1	1341	18	US-10-169-395-15	Sequence 15, Appl
42		1293	68.9	1338	9	US-09-790-264-3	Sequence 3, Appli
43		1293	68.9	1338	15	US-10-269-353-3	Sequence 3, Appli
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45		981.6	52.3	3357	20	US-10-723-860-6912	Sequence 6912, Ap
46		889.4	47.4	1519	22	US-10-450-763-12148	Sequence 12148, A
47		766.6	40.9	906	22	US-10-450-763-12147	Sequence 12147, A
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49		672.8	35.9	690	10	US-09-907-969-321	Sequence 321, App
50		672.8	35.9	690	10	US-09-827-271-321	Sequence 321, App
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53		579.8	30.9	704	20	US-10-723-860-2845	Sequence 2845, App
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94		55.2	2.9	1669	10	US-09-789-390-18	Sequence 18, Appl
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199		55.2	2.9	2179	17	US-10-120-988-356	Sequence 356, App
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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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24	1876	100.0	1876	18	US-10-677-669-49	Sequence 49, Appl
25	1876	100.0	1876	20	US-10-735-014-49	Sequence 49, Appl
26	1876	100.0	1876	20	US-10-854-947-49	Sequence 49, Appl
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	209	48.8	2.6	1639	19	US-10-437-963-102452	Sequence 102452,
	210	48.4	2.6	13268	15	US-10-007-926A-47	Sequence 47, Ap
	211	48.4	2.6	13268	21	US-10-956-157-2282	Sequence 2282, Ap
	212	48.4	2.6	13857	15	US-10-037-270-75	Sequence 75, Appl
	213	48.4	2.6	13857	17	US-10-117-722-75	Sequence 75, Appl
	214	48.4	2.6	69245	22	US-10-737-082-75	Sequence 75, Appl
	215	48.4	2.6	69245	22	US-10-737-082-80	Sequence 80, Appl
	216	48.4	2.6	69245	22	US-10-765-790-75	Sequence 75, Appl
	217	48.4	2.6	69245	22	US-10-765-790-80	Sequence 80, Appl
	218	48.4	2.6	100267	18	US-10-240-425-1470	Sequence 1470, Ap
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	225	45.8	2.4	1311	20	US-10-411-910A-200	Sequence 200, App
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	263	43.2	2.3	898	17	US-10-094-886-119	Sequence 119, App
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Sequence 128174,	US-10-424-599-128174	18	886	2.1	40.2			300
Sequence 42786, A	US-10-437-963-42786	19	699	2.1	40		c	301
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Sequence 6629, Ap	US-10-067-701-6629	19	497	2.1	39.8			303
Sequence 82926, A	US-10-437-963-82926	19	537	2.1	39.6			304
Sequence 7, Appli	US-10-068-347-7	13	395	2.1	39.6			305
Sequence 27, Appl	US-10-006-922-27	13	690	2.1	39.6			306
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Sequence 136763,	US-10-425-115-136763	20	837	2.1	39.6			308
Sequence 41675, A	US-10-425-115-41675	20	841	2.1	39.6			309
Sequence 177661,	US-10-425-115-177661	20	1904	2.1	39.6		c	312
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Sequence 22867, A	US-10-437-963-22867	19	1300	2.1	39.4			316
Sequence 35998, A	US-10-437-963-35998	19	1878	2.1	39.2			317
Sequence 9933, Ap	US-10-437-963-9933	19	585	2.1	39.2			318
Sequence 224, App	US-10-411-910A-224	20	1821	2.1	39.2			319
Sequence 10, App	US-10-181-779-10	17	1947	2.1	39.2		c	320
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Sequence 49546, A	US-10-437-963-49546	15	2270	2.1	39.2		c	322
Sequence 102, App	US-10-156-761-102	15	3732	2.1	39.2			323
Sequence 5720, Ap	US-10-741-601-5720	9	5520	2.1	39.2			324
Sequence 38, Appl	US-09-902-525-38	9	5520		39.2		c	325
Sequence 38, Appl	US-11-047-257-38	24	536	2.1	39			326
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Sequence 26181,	US-09-918-995-26181	10	585	2.1	39			328
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Sequence 12388, A	US-10-437-963-12388	19	1488	2.1	39			330
Sequence 56660, A	US-10-437-963-56660	19	3201	2.1	39			331
Sequence 1554, Ap	US-10-240-425-1554	18	16977	2.1	39			332
Sequence 5625, Ap	US-10-741-601-5625	19	29283	2.1	39			333
Sequence 5720, Ap	US-10-741-601-5720	19	797	2.1	38.8			334
Sequence 88900, A	US-10-425-115-88900	10	864	2.1	38.8			335
Sequence 26, Appl	US-09-808-898-26	18	1067	2.1	38.8			336
Sequence 25810, A	US-10-425-114-25810	18	1551	2.1	38.8			337
Sequence 49506, A	US-10-437-963-49506	17	14061	2.1	38.8			338
Sequence 73, Appl	US-10-093-463-73	17	14109	2.1	38.8			339
Sequence 71, Appl	US-10-093-463-71	15	763	2.1	38.6			340
Sequence 627, App	US-10-259-165-627	15	1266	2.1	38.6			341
Sequence 38, Appl	US-10-127-032-38	18	1266	2.1	38.6			342
Sequence 332, App	US-10-389-647-332	19	1275	2.1	38.6			343
Sequence 122825,	US-10-425-115-122825	20	4233	2.1	38.6			344
Sequence 4143, Ap	US-10-723-860-4143	20	4233	2.0	38.6			345
Sequence 4115, Ap	US-10-756-149-4115	22	4244	2.0	38.6			346
Sequence 852, App	US-10-106-698-852	15	412	2.0	38.4			347
Sequence 175314,	US-10-425-115-175314	20	726	2.0	38.4			348
Sequence 37608, A	US-10-369-493-37608	17	762	2.0	38.4			349
Sequence 80615, A	US-10-424-599-80615	18	833	2.0	38.4			350
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Sequence 65, Appl	US-10-959-539-65	21	2035	2.0	38.4		c	352
Sequence 3299, Ap	US-10-756-149-3299	22	2494	2.0	38.4		c	353
Sequence 3, Appli	US-10-311-795-3	18	3459	2.0	38.4		c	354
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Sequence 44, Appl	US-10-219-446-44	18	9625	2.0	38.2		c	358
Sequence 83, Appl	US-10-450-826-83	19	9625	2.0	38.2		c	359
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Sequence 2017, Ap	US-10-050-704-83	14	634	2.0	38.2		c	361
Sequence 83, Appl	US-10-798-512-83	13	634	2.0	38.2		c	362
Sequence 83, Appl	US-10-767-701-9145	13	658	2.0	38.2		c	363
Sequence 9145, Ap	US-10-027-632-9421	17	1114	2.0	38.2		c	364
Sequence 9421, Ap	US-10-027-632-9422	17	1114	2.0	38.2		c	365
Sequence 9422, Ap	US-10-027-632-9421	17	1114	2.0	38.2		c	366
Sequence 9421, Ap	US-10-027-632-9422	17	1410	2.0	38.2		c	367
Sequence 9422, Ap	US-10-282-122A-33095	17	1718	2.0	38.2		c	368
Sequence 33095, A	US-10-437-963-46389	19	1992	2.0	38.2		c	369
Sequence 46389, A	US-09-815-242-7772	15	1992	2.0	38.2			370
Sequence 7772, Ap	US-10-246-330-19	16	546	2.0	38.2			371
Sequence 19, Appl	US-10-104-047-763	17	2139	2.0	38.2		c	372
Sequence 763, App								

#		temp		len	patent id	sequence
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513		38	2.0	9280	US-10-359-120-160	Sequence 160, App
514		38	2.0	9285	US-09-764-860-1054	Sequence 1054, Ap
515		38	2.0	14654	US-10-074-095-1054	Sequence 1054, Ap
516		38	2.0	14654	US-10-212-872-1054	Sequence 1054, Ap
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Ref				Accession		Sequence
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Ref				Accession		Sequence
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| 533 | | 37.4 | 2.7 | 1026 | 17 | US-10-094-886-147 | Sequence 147, App |
| 534 | | 37.4 | 2.7 | 1026 | 17 | US-10-094-886-149 | Sequence 149, App |
| 535 | | 37.4 | 2.7 | 1218 | 18 | US-10-156-761-6319 | Sequence 6319, Ap |
| 536 | | 37.4 | 2.7 | 2040 | 10 | US-09-876-252-129 | Sequence 129, App |
| 537 | | 37.4 | 2.7 | 2040 | 17 | US-10-417-820A-129 | Sequence 129, App |
| 538 | | 37.4 | 2.7 | 2040 | 17 | US-10-417-820A-151 | Sequence 151, App |
| 539 | | 37.4 | 2.7 | 2040 | 19 | US-10-723-955-129 | Sequence 129, App |
| 540 | | 37.4 | 2.7 | 5617 | 18 | US-10-344-115-11 | Sequence 11, Appl |
| 541 | c | 37.4 | 2.7 | 6026 | 18 | US-10-344-115-9 | Sequence 9, Appli |
| 542 | | 37.2 | 2.7 | 614 | 22 | US-10-450-763-26425 | Sequence 26425, A |
| 543 | | 37.2 | 2.7 | 821 | 20 | US-10-425-115-73952 | Sequence 73952, A |
| 544 | | 37.2 | 2.7 | 1060 | 18 | US-10-425-114-3306 | Sequence 3306, Ap |
| 545 | | 37.2 | 2.7 | 1070 | 14 | US-10-116-949-7 | Sequence 7, Appli |
| 546 | | 37.2 | 2.7 | 1104 | 15 | US-10-156-761-2940 | Sequence 2940, Ap |
| 547 | | 37.2 | 2.7 | 1157 | 18 | US-10-425-114-25500 | Sequence 25500, A |
| 548 | | 37.2 | 2.7 | 1177 | 20 | US-10-425-115-110914 | Sequence 110914, |
| 549 | | 37.2 | 2.7 | 1197 | 18 | US-10-425-114-5587 | Sequence 5587, Ap |
| 550 | | 37.2 | 2.7 | 1593 | 17 | US-10-107-431-276 | Sequence 276, App |
| 551 | | 37.2 | 2.7 | 1950 | 20 | US-10-425-115-110917 | Sequence 110917, |
| 552 | | 37.2 | 2.7 | 2045 | 18 | US-10-425-114-22342 | Sequence 22342, A |
| 553 | | 37.2 | 2.7 | 2051 | 20 | US-10-425-114-29817 | Sequence 29817, A |
| 554 | | 37.2 | 2.7 | 2190 | 19 | US-10-437-963-74980 | Sequence 74980, A |
| 555 | | 37.2 | 2.7 | 3726 | 9 | US-09-350-259-1 | Sequence 1, Appli |
| 556 | | 37.2 | 2.7 | 3726 | 10 | US-09-891-943-1 | Sequence 1, Appli |
| 557 | | 37.2 | 2.7 | 3785 | 9 | US-09-350-259-98 | Sequence 98, Appl |
| 558 | | 37.2 | 2.7 | 3785 | 10 | US-09-891-943-98 | Sequence 98, Appl |
| 559 | | 37.2 | 2.7 | 3900 | 18 | US-10-041-018-16 | Sequence 16, Appl |
| 560 | | 37.2 | 2.7 | 3956 | 9 | US-09-350-259-97 | Sequence 97, Appl |
| 561 | | 37.2 | 2.7 | 3956 | 10 | US-09-891-943-97 | Sequence 97, Appl |
| 562 | c | 37.2 | 2.7 | 37116 | 17 | US-10-107-431-279 | Sequence 279, Appl |
| 563 | | 37.2 | 2.7 | 109519 | 11 | US-09-758-759-1 | Sequence 1, Appli |
| 564 | c | 37.2 | 2.7 | 124596 | 22 | US-10-981-277-39 | Sequence 39, Appl |
| 565 | c | 37.2 | 2.7 | 152744 | 22 | US-10-981-277-41 | Sequence 41, Appl |
| 566 | c | 37.2 | 2.7 | 153191 | 22 | US-10-981-277-40 | Sequence 40, Appl |
| 567 | c | 37.2 | 2.7 | 161051 | 22 | US-10-417-175-170 | Sequence 170, Appl |
| 568 | c | 37.2 | 2.7 | 181279 | 22 | US-10-981-277-38 | Sequence 38, Appl |
| 569 | | 37 | 2.7 | 552 | 17 | US-10-027-632-273953 | Sequence 273953, |
| 570 | | 37 | 2.7 | 552 | 13 | US-10-027-632-273953 | Sequence 273953, |
| 571 | c | 37 | 2.7 | 570 | 15 | US-10-259-165-530 | Sequence 530, App |
| 572 | | 37 | 2.7 | 572 | 17 | US-10-259-238-5178 | Sequence 5178, Ap |
| 573 | | 37 | 2.7 | 608 | 18 | US-10-424-599-120470 | Sequence 120470, |
| 574 | | 37 | 2.7 | 696 | 18 | US-10-767-701-6354 | Sequence 6354, Ap |
| 575 | | 37 | 2.7 | 709 | 18 | US-10-424-599-28496 | Sequence 28496, A |
| 576 | | 37 | 2.7 | 734 | 20 | US-10-425-115-34176 | Sequence 34176, A |
| 577 | | 37 | 2.7 | 749 | 9 | US-09-840-479-12 | Sequence 12, Appl |
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| 579 | | 37 | 2.7 | 751 | 13 | US-10-027-632-21997 | Sequence 21997, A |
| 580 | | 37 | 2.7 | 751 | 17 | US-10-027-632-21996 | Sequence 21996, A |
| 581 | | 37 | 2.7 | 751 | 17 | US-10-027-632-21997 | Sequence 21997, A |
| 582 | | 37 | 2.7 | 926 | 20 | US-10-425-115-34180 | Sequence 34180, A |
| 583 | | 37 | 2.7 | 1008 | 9 | US-09-815-242-8010 | Sequence 8010, Ap |
| 584 | | 37 | 2.7 | 1592 | 20 | US-10-425-115-90561 | Sequence 90561, A |
| 585 | | 37 | 2.7 | 1752 | 15 | US-10-156-761-4855 | Sequence 4855, Ap |
| 586 | | 37 | 2.7 | 1923 | 10 | US-09-764-891-8177 | Sequence 8177, Ap |
| 587 | | 37 | 2.7 | 1935 | 10 | US-10-437-963-2084 | Sequence 2084, Ap |
| 588 | c | 36.8 | 2.7 | 2348 | 9 | US-09-996-634-61 | Sequence 61, Appl |
| 589 | c | 36.8 | 2.7 | 2348 | 10 | US-09-997-182-61 | Sequence 61, Appl |
| 590 | | 36.8 | 2.7 | 2364 | 10 | US-09-997-181-61 | Sequence 61, Appl |
| 591 | | 36.8 | 2.7 | 2535 | 19 | US-10-437-963-44738 | Sequence 44738, A |
| 592 | | 36.8 | 2.7 | 2972 | 21 | US-10-715-872-162 | Sequence 162, App |
| 593 | | 36.8 | 2.7 | 10634 | 19 | US-10-437-963-48311 | Sequence 48311, A |
| 594 | c | 36.8 | 2.7 | 98634 | 10 | US-09-764-891-8176 | Sequence 8176, Ap |
| 595 | c | 36.8 | 2.7 | 604 | 13 | US-10-087-192-1870 | Sequence 1870, Ap |
| 596 | c | 36.8 | 2.7 | 926 | 19 | US-10-767-701-8085 | Sequence 8085, Ap |
| 597 | | 36.8 | 2.7 | 1009 | 19 | US-10-437-963-15999 | Sequence 15999, A |
| 598 | | 36.8 | 2.7 | 1038 | 20 | US-10-425-115-53213 | Sequence 53213, A |
| 599 | | 36.8 | 2.7 | 1092 | 18 | US-10-425-114-490 | Sequence 490, App |
| 600 | c | 36.8 | 2.7 | 1230 | 20 | US-10-425-115-53207 | Sequence 53207, A |
| 601 | | 36.6 | 2.7 | 1341 | 15 | US-10-156-761-2455 | Sequence 2455, Ap |
| 602 | | 36.6 | 2.7 | 1431 | 17 | US-10-369-493-27370 | Sequence 27370, A |
| 603 | | 36.6 | 2.7 | 1449 | 17 | US-10-369-493-41737 | Sequence 41737, A |
| 604 | | 36.6 | 2.7 | 1476 | 18 | US-10-425-114-25075 | Sequence 25075, A |
| 605 | | 36.6 | 2.7 | 1491 | 17 | US-10-425-115-25215 | Sequence 53215, A |
| 606 | | 36.6 | 2.7 | 1521 | 15 | US-10-156-761-5637 | Sequence 5637, Ap |
| 607 | | 36.6 | 2.7 | 1756 | 20 | US-10-425-115-120340 | Sequence 120340, |
| 608 | | 36.6 | 2.7 | 2818 | 19 | US-10-437-963-67773 | Sequence 67773, A |
| 609 | | 36.6 | 2.7 | 29018 | 22 | US-10-450-837-20356 | Sequence 20356, A |
| 610 | | 36.6 | 2.7 | 531 | 19 | US-10-367-094-105 | Sequence 105, App |
| 611 | | 36.6 | 2.7 | 602 | 16 | US-10-029-386-25377 | Sequence 25377, A |
| 612 | | 36.6 | 2.7 | 602 | 9 | US-09-764-893-150 | Sequence 150, App |
| 613 | | 36.6 | 2.7 | 602 | 9 | US-09-764-853-926 | Sequence 926, App |
| 614 | | 36.6 | 2.7 | 602 | 14 | US-09-764-898-306 | Sequence 306, App |
| 615 | | 36.6 | 2.7 | 752 | 13 | US-10-073-865-150 | Sequence 150, App |
| 616 | c | 36.6 | 2.7 | 752 | 13 | US-10-027-632-127896 | Sequence 127896, |
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| 618 | c | 36.6 | 2.7 | 752 | 17 | US-10-027-632-127898 | Sequence 127898, |
| 619 | c | 36.6 | 2.7 | 752 | 17 | US-10-027-632-127896 | Sequence 127896, |
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| 621 | c | 36.6 | 2.7 | 752 | 18 | US-10-027-632-127898 | Sequence 127898, |
| 624 | | 36.6 | 2.7 | 1151 | 18 | US-10-425-114-349 | Sequence 349, APP |
| 625 | | 36.6 | 2.7 | 1256 | 20 | US-10-425-115-122710 | Sequence 122710, |
| 626 | | 36.6 | 2.7 | 1485 | 20 | US-10-411-910A-267 | Sequence 267, APP |
| 627 | | 36.6 | 2.7 | 1882 | 19 | US-10-767-701-13858 | Sequence 13858, A |
| 628 | | 36.6 | 2.7 | 2038 | 19 | US-10-425-114-32143 | Sequence 32143, A |
| 629 | | 36.6 | 2.7 | 2099 | 19 | US-10-437-963-80716 | Sequence 80716, A |
| 630 | | 36.6 | 2.7 | 2261 | 20 | US-10-425-115-35617 | Sequence 35617, A |
| 631 | | 36.6 | 2.7 | 2441 | 10 | US-10-739-930-1907 | Sequence 1907, App |
| 632 | | 36.6 | 2.7 | 2496 | 10 | US-09-864-636A-445 | Sequence 445, APP |
| 633 | | 36.6 | 2.7 | 2496 | 11 | US-10-864-839-445 | Sequence 445, App |
| 634 | | 36.6 | 2.7 | 2496 | 16 | US-09-864-636A-445 | Sequence 445, APP |
| 635 | | 36.6 | 2.7 | 2505 | 10 | US-09-864-636A-358 | Sequence 358, APP |
| 636 | | 36.6 | 2.7 | 2505 | 10 | US-09-864-636A-366 | Sequence 366, APP |
| 637 | | 36.6 | 2.7 | 2505 | 10 | US-09-864-636A-449 | Sequence 449, APP |
| 638 | | 36.6 | 2.7 | 2505 | 11 | US-09-864-426A-358 | Sequence 358, APP |

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| 639 | 36.6 | 2.7 | 2505 | 11 | US-09-864-426A-366 | Sequence 366, App |
| 640 | 36.6 | 2.7 | 2505 | 11 | US-09-864-426A-449 | Sequence 449, App |
| 641 | 36.6 | 2.7 | 2505 | 16 | US-10-084-839-358 | Sequence 358, App |
| 642 | 36.6 | 2.7 | 2505 | 16 | US-10-084-839-366 | Sequence 366, App |
| 643 | 36.6 | 2.7 | 2505 | 16 | US-10-084-839-449 | Sequence 449, App |
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| 645 | 36.6 | 2.7 | 2598 | 10 | US-09-842-758-19 | Sequence 19, Appl |
| 646 | 36.6 | 2.7 | 2598 | 18 | US-10-174-333-19 | Sequence 19, Appl |
| 647 | 36.6 | 2.7 | 3475 | 17 | US-10-433-579-11 | Sequence 11, Appl |
| 648 | 36.6 | 2.7 | 3619 | 17 | US-10-115-831-51 | Sequence 51, Appl |
| 649 | 36.6 | 2.7 | 4425 | 20 | US-10-723-860-7386 | Sequence 7386, Ap |
| 650 | 36.6 | 2.7 | 5354 | 20 | US-10-437-963-57547 | Sequence 57547, A |
| c 651 | 36.4 | 2.7 | 540 | 20 | US-10-425-115-60981 | Sequence 60981, A |
| c 652 | 36.4 | 2.7 | 796 | 20 | US-10-425-115-132571 | Sequence 132571, |
| c 653 | 36.4 | 2.7 | 1227 | 24 | US-11-061-894-11 | Sequence 11, Appl |
| 654 | 36.4 | 2.7 | 1458 | 19 | US-10-437-963-3985 | Sequence 3985, Ap |
| 655 | 36.4 | 2.7 | 99973 | 21 | US-10-085-117-109 | Sequence 109, App |
| 656 | 36.4 | 2.7 | 146017 | 21 | US-10-741-600-17709 | Sequence 17709, A |
| 657 | 36.2 | 2.7 | 244 | 19 | US-10-437-963-41610 | Sequence 41610, A |
| 658 | 36.2 | 2.7 | 1156 | 13 | US-10-027-632-9071 | Sequence 9071, Ap |
| 659 | 36.2 | 2.7 | 1156 | 17 | US-10-027-632-9071 | Sequence 9071, Ap |
| 660 | 36.2 | 2.7 | 1251 | 18 | US-10-389-647-277 | Sequence 277, App |
| c 661 | 36.2 | 2.7 | 1422 | 17 | US-10-369-493-35718 | Sequence 35718, A |
| c 662 | 36.2 | 2.7 | 1436 | 9 | US-09-788-345-11 | Sequence 11, Appl |
| c 663 | 36.2 | 2.7 | 1436 | 15 | US-10-337-312-11 | Sequence 11, Appl |
| c 664 | 36.2 | 2.7 | 1436 | 17 | US-10-237-040-2 | Sequence 2, Appli |
| c 665 | 36.2 | 2.7 | 1648 | 18 | US-10-425-114-35274 | Sequence 35274, A |
| 668 | 36.2 | 2.7 | 1875 | 9 | US-09-905-291A-284 | Sequence 284, App |
| 1020 | 36.2 | 2.7 | 1875 | 16 | US-10-299-976-284 | Sequence 284, App |
| 1035 | 36.2 | 2.7 | 1875 | 17 | US-10-299-937-284 | Sequence 284, App |
| 1162 | 36.2 | 2.7 | 1875 | 17 | US-10-298-993-284 | Sequence 284, App |
| 1164 | 36.2 | 2.7 | 1875 | 17 | US-10-448-923-284 | Sequence 284, App |
| 1166 | 36.2 | 2.7 | 1875 | 17 | US-10-448-656-284 | Sequence 284, App |
| 1169 | 36.2 | 2.7 | 1875 | 17 | US-10-448-713-284 | Sequence 284, App |
| 1179 | 36.2 | 2.7 | 1875 | 17 | US-10-425-447-284 | Sequence 284, App |
| 1180 | 36.2 | 2.7 | 1875 | 17 | US-10-215-371-284 | Sequence 284, App |
| 1190 | 36.2 | 2.7 | 1875 | 19 | US-10-771-187-284 | Sequence 284, App |
| 1192 | 36.2 | 2.7 | 1875 | 21 | US-10-931-886-359 | Sequence 359, App |
| 1193 | 36.2 | 2.7 | 1875 | 21 | US-10-961-467-284 | Sequence 284, App |
| 1194 | 36.2 | 2.7 | 1875 | 21 | US-10-978-255-284 | Sequence 284, App |
| 1196 | 36.2 | 2.7 | 1875 | 22 | US-10-797-366-284 | Sequence 284, App |
| 1197 | 36.2 | 2.7 | 1960 | 15 | US-10-955-952-359 | Sequence 359, App |
| 1198 | 36.2 | 2.7 | 1960 | 17 | US-10-037-270-764 | Sequence 764, App |
| 1199 | 36.2 | 2.7 | 2005 | 17 | US-10-117-722-764 | Sequence 764, App |
| 1200 | 36.2 | 2.7 | 2223 | 14 | US-10-208-408-10 | Sequence 10, Appl |
| 1201 | 36.2 | 2.7 | 2464 | 22 | US-10-450-763-21923 | Sequence 21923, A |
| 1202 | 36.2 | 2.7 | 2577 | 20 | US-10-425-115-154988 | Sequence 154988, |
| 1203 | 36.2 | 2.7 | 2670 | 20 | US-10-437-963-32890 | Sequence 32890, A |
| 1204 | 36.2 | 2.7 | 4597 | 19 | US-10-450-763-60860 | Sequence 60860, A |
| 1205 | 36.2 | 2.7 | 7047 | 22 | US-10-450-763-10920 | Sequence 10920, A |
| 1206 | 36.2 | 2.7 | 13842 | 9 | US-09-861-289-30 | Sequence 30, Appl |
| 1207 | 36.2 | 2.7 | 13842 | 9 | US-09-860-846-30 | Sequence 30, Appl |
| 1208 | 36.2 | 2.7 | 13842 | 16 | US-09-988-384B-30 | Sequence 30, Appl |
| 1209 | 36.2 | 2.7 | 13842 | 10 | US-09-836-821-30 | Sequence 30, Appl |
| 1210 | 36.2 | 2.7 | 13842 | 16 | US-10-271-889-30 | Sequence 30, Appl |
| 1211 | 36.2 | 2.7 | 36778 | 9 | US-09-861-289-5 | Sequence 5, Appli |
| 1212 | 36.2 | 2.7 | 36778 | 9 | US-09-860-846-5 | Sequence 5, Appli |
| 1213 | 36.2 | 2.7 | 36778 | 16 | US-09-836-821-5 | Sequence 5, Appli |
| 1214 | 36.2 | 2.7 | 37948 | 10 | US-09-988-384B-5 | Sequence 5, Appli |
| 1215 | 36.2 | 2.7 | 38506 | 16 | US-09-793-708-19 | Sequence 19, Appl |
| 1216 | 36.2 | 2.7 | 38506 | 16 | US-09-201-365-1 | Sequence 1, Appli |
| 1217 | 36.2 | 2.7 | 38506 | 19 | US-10-160-539-19 | Sequence 19, Appl |
| 1218 | 36.2 | 2.7 | 38506 | 21 | US-10-468-828-19 | Sequence 19, Appl |
| 1219 | 36.2 | 2.7 | 104399 | 9 | US-10-322-281-123 | Sequence 123, App |
| 1220 | 36 | 2.6 | 404 | 9 | US-09-960-352-9210 | Sequence 9210, Ap |
| 1221 | 36 | 2.6 | 528 | 15 | US-10-259-165-345 | Sequence 345, App |
| 1222 | 36 | 2.6 | 531 | 17 | US-10-259-165-85 | Sequence 85, Appl |
| 1223 | 36 | 2.6 | 714 | 13 | US-10-078-929-85 | Sequence 85, Appl |
| 1224 | 36 | 2.6 | 752 | 20 | US-10-425-115-119814 | Sequence 119814, |
| c1225 | 36 | 2.6 | 829 | 19 | US-10-437-963-69137 | Sequence 69137, A |
| 1226 | 36 | 2.6 | 843 | 15 | US-10-253-165-173 | Sequence 173, App |

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| 1227 | 36 | 2.6 | 910 | 14 | US-10-123-155-112 | Sequence 112, App |
| 1240 | 36 | 2.6 | 954 | 15 | US-10-156-761-1916 | Sequence 1916, Ap |
| 1241 | 36 | 2.6 | 962 | 13 | US-10-027-632-122505 | Sequence 122505, |
| 1242 | 36 | 2.6 | 962 | 17 | US-10-027-632-122505 | Sequence 122505, |
| c1243 | 36 | 2.6 | 975 | 19 | US-10-437-963-14678 | Sequence 14678, A |
| 1244 | 36 | 2.6 | 1071 | 17 | US-10-403-232-21 | Sequence 21, Appl |
| 1245 | 36 | 2.6 | 1389 | 15 | US-10-156-761-2906 | Sequence 2906, Ap |
| 1246 | 36 | 2.6 | 1482 | 17 | US-10-369-493-44533 | Sequence 44533, A |
| 1247 | 36 | 2.6 | 1484 | 18 | US-10-425-114-25171 | Sequence 25171, A |
| 1248 | 36 | 2.6 | 1484 | 20 | US-10-425-115-152853 | Sequence 152853, |
| 1249 | 36 | 2.6 | 1602 | 15 | US-10-156-761-2266 | Sequence 2266, Ap |
| 1250 | 36 | 2.6 | 1740 | 15 | US-10-156-761-1334 | Sequence 1334, Ap |
| 1251 | 36 | 2.6 | 1873 | 20 | US-10-425-115-117815 | Sequence 117815, |
| c1252 | 36 | 2.6 | 1878 | 9 | US-09-712-363-16 | Sequence 16, Appl |
| c1253 | 36 | 2.6 | 1878 | 17 | US-10-282-122A-28184 | Sequence 28184, A |
| c1254 | 36 | 2.6 | 2175 | 14 | US-10-267-311-44 | Sequence 44, Appl |
| c1255 | 36 | 2.6 | 2175 | 21 | US-10-679-956-44 | Sequence 44, Appl |
| 1256 | 36 | 2.6 | 7589 | 20 | US-10-723-860-6441 | Sequence 6441, Ap |
| c1257 | 35.8 | 2.6 | 324 | 22 | US-10-450-763-13609 | Sequence 13609, A |
| 1258 | 35.8 | 2.6 | 436 | 19 | US-10-450-472-30 | Sequence 30, Appl |
| 1259 | 35.8 | 2.6 | 438 | 19 | US-10-450-472-37 | Sequence 37, Appl |
| 1260 | 35.8 | 2.6 | 525 | 22 | US-10-450-763-8065 | Sequence 8065, Ap |
| 1261 | 35.8 | 2.6 | 555 | 19 | US-10-450-472-16 | Sequence 16, Appl |
| 1262 | 35.8 | 2.6 | 568 | 19 | US-10-450-472-28 | Sequence 28, Appl |
| 1263 | 35.8 | 2.6 | 570 | 19 | US-10-450-472-35 | Sequence 35, Appl |
| 1264 | 35.8 | 2.6 | 772 | 20 | US-10-425-115-8118 | Sequence 8118, Ap |
| 1265 | 35.8 | 2.6 | 822 | 18 | US-10-425-114-6661 | Sequence 6661, Ap |
| 1266 | 35.8 | 2.6 | 987 | 18 | US-10-311-642-3 | Sequence 3, Appli |
| 1267 | 35.8 | 2.6 | 1032 | 17 | US-10-369-493-40599 | Sequence 40599, A |
| 1268 | 35.8 | 2.6 | 1089 | 17 | US-10-369-493-36031 | Sequence 36031, A |
| 1269 | 35.8 | 2.6 | 1149 | 18 | US-10-425-114-12705 | Sequence 12705, A |
| 1270 | 35.8 | 2.6 | 1231 | 18 | US-10-425-114-8872 | Sequence 8872, Ap |
| 1271 | 35.8 | 2.6 | 1438 | 9 | US-09-764-847-1659 | Sequence 1659, Ap |
| 1272 | 35.8 | 2.6 | 1438 | 14 | US-10-092-154-1659 | Sequence 1659, Ap |
| 1273 | 35.8 | 2.6 | 1620 | 15 | US-10-156-761-5776 | Sequence 5776, Ap |
| 1274 | 35.8 | 2.6 | 1638 | 18 | US-10-302-172-412 | Sequence 412, App |
| 1275 | 35.8 | 2.6 | 1647 | 20 | US-10-739-930-2506 | Sequence 2506, Ap |
| 1276 | 35.8 | 2.6 | 1686 | 20 | US-10-739-930-5021 | Sequence 5021, Ap |
| 1277 | 35.8 | 2.6 | 2111 | 18 | US-10-425-114-16700 | Sequence 16700, A |
| 1278 | 35.8 | 2.6 | 2209 | 20 | US-10-425-115-42034 | Sequence 42034, A |
| 1279 | 35.8 | 2.6 | 2263 | 20 | US-10-425-115-42036 | Sequence 42036, A |
| 1280 | 35.8 | 2.6 | 2436 | 17 | US-10-369-493-43090 | Sequence 43090, A |
| 1281 | 35.8 | 2.6 | 3570 | 20 | US-10-723-860-1831 | Sequence 1831, Ap |
| 1282 | 35.8 | 2.6 | 3575 | 18 | US-10-641-643-1395 | Sequence 1395, Ap |
| 1283 | 35.8 | 2.6 | 3575 | 20 | US-10-723-860-1253 | Sequence 1253, Ap |
| 1284 | 35.8 | 2.6 | 3575 | 22 | US-10-287-436A-233 | Sequence 233, App |
| 1285 | 35.8 | 2.6 | 3597 | 13 | US-10-098-841-84 | Sequence 84, Appl |
| 1286 | 35.8 | 2.6 | 3609 | 20 | US-10-723-860-5754 | Sequence 5754, Ap |
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| c1316 | 35.6 | 2.6 | 1105 | 19 | US-10-767-701-7354 | Sequence 7354, Ap |
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Search completed: September 28, 2005, 11:49:39
Job time : 971.767 secs